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Access model

DAT (dopamine transporter); Dopamine recognition; Cation; Na⁺ (Chen, N. (479) 213)

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Alternative splicing

Norepinephrine transporter; Gene expression; Methamphetamine; Uptake inhibitor (Kitayama, S. (479) 65)

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DAT (dopamine transporter); Anion; Binding; Uptake blocker (Bonnet, J.-J. (479) 199)

DAT (dopamine transporter); Dopamine recognition; Na⁺; Access model (Chen, N. (479) 213)

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DAT (Dopamine transporter); Multisubstrate mechanisms; Leakage; Terreactant mechanisms; Na⁺-dependent transporter; Slippage (Schenk, J.O. (479) 223)

Cocaine

Monoamine; Psychostimulant; Amphetamine; Dopamine; 5-HT (5-hydroxytryptamine, serotonin); DAT (dopamine transporter); SERT (serotonin transporter) (Rothman, R.B. (479) 23)

Dopamine transporter (DAT); Attention deficit hyperactivity disorder (ADHD); Anti-depressant; Serotonin transporter (SERT); Addiction (Madras, B.K. (479) 41)

Analogue; Structure–activity relationship study; DAT (dopamine transporter); Dopamine hypothesis; Binding activity (Dutta, A.K. (479) 93)

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Vesicular monoamine transporter; Amphetamine; Methylphenidate (Fleckenstein, A.E. (479) 283)

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DAT (dopamine transporter); Structure; Zn²⁺-site engineering; Conformational change (Loland, C.J. (479) 187)

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DAT (dopamine transporter); SERT (serotonin transporter); Transmembrane domain; Mutant; Antagonism (Uhl, G.R. (479) 71)

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Reinforcement; Hyperactivity; Behavioral sensitization; Knockout, mouse; DAT (dopamine transporter); NET (norepinephrine transporter); SERT (serotonin transporter) (Rocha, B.A. (479) 107)

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Antidepressant; *Drosophila*; 5-HT (5-hydroxytryptamine serotonin); SERT (serotonin transporter) (Roman, D.L. (479) 53)

Conformational change

Neurotransmitter transporter; Structural context (Goldberg, N.R. (479) 3)

DAT (dopamine transporter); Structure; Zn²⁺-site engineering; Cocaine affinity (Loland, C.J. (479) 187)

Cultured cell

Metallothionein; Zn²⁺ trafficking; Transition element; Zinquin; Mitochondrion; Fluorescence microscopy; (Rat) (Colvin, R.A. (479) 171)

DAT (dopamine transporter)

Cocaine; Monoamine; Psychostimulant; Amphetamine; Dopamine; 5-HT (5-hydroxytryptamine, serotonin); SERT (serotonin transporter) (Rothman, R.B. (479) 23)

SERT (serotonin transporter); Transmembrane domain; Mutant; Cocaine selective; Antagonism (Uhl, G.R. (479) 71)

Cocaine; Analogue; Structure–activity relationship study; Dopamine hypothesis; Binding activity (Dutta, A.K. (479) 93)

Reinforcement; Cocaine self-administration; Hyperactivity; Behavioral sensitization; Knockout, mouse; NET (norepinephrine transporter); SERT (serotonin transporter) (Rocha, B.A. (479) 107)

Cocaine; Dopamine; Release; Diffusion; Voltammetry (Greco, P.G. (479) 117)

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Structure; Zn²⁺-site engineering; Conformational change; Cocaine affinity (Loland, C.J. (479) 187)

Cation; Anion; Binding; Uptake blocker (Bonnet, J.-J. (479) 199)

Dopamine recognition; Cation; Na⁺; Access model (Chen, N. (479) 213)

Multisubstrate mechanisms; Leakage; Terreactant mechanisms; Na⁺-dependent transporter; Cl[−]-dependent transport; Slippage (Schenk, J.O. (479) 223)

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Cocaine; Dopamine; DAT (dopamine transporter); Release; Voltammetry (Greco, P.G. (479) 117)

Dimer

Na⁺–Cl[−]-coupled neurotransmitter transporter; Neurotransmitter: Na⁺ symporter; FRET (fluorescence resonance energy transfer); Microscopy; Oligomer (Sitte, H.H. (479) 229)

Dopamine

Cocaine; Monoamine; Psychostimulant; Amphetamine; 5-HT (5-hydroxytryptamine, serotonin); DAT (dopamine transporter); SERT (serotonin transporter) (Rothman, R.B. (479) 23)

Cocaine; DAT (dopamine transporter); Release; Diffusion; Voltammetry (Greco, P.G. (479) 117)

Dopamine hypothesis

Cocaine; Analogue; Structure–activity relationship study; DAT (dopamine transporter); Binding activity (Dutta, A.K. (479) 93)

Dopamine recognition

DAT (dopamine transporter); Cation; Na⁺; Access model (Chen, N. (479) 213)

Dopamine release

Dopamine transporter; Norepinephrine transporter; Protein kinase C; PC12 cell; Striatum (Gnegy, M.E. (479) 83)

Dopamine transporter

Norepinephrine transporter; Protein kinase C; Dopamine release; PC12 cell; Striatum (Gnegy, M.E. (479) 83)

Trafficking; Amphetamine; Cocaine (Kahlig, K.M. (479) 153)

Neurotransmitter transport; Transporter regulation; Trafficking; Signaling mechanism; Phosphorylation; Cocaine; Amphetamine (Mortensen, O.V. (479) 159)

Dopamine transporter (DAT)

Cocaine; Attention deficit hyperactivity disorder (ADHD); Anti-depressant; Serotonin transporter (SERT); Addiction (Madras, B.K. (479) 41)

Drosophila

Antidepressant; CoMFA (Comparative Molecular Field Analysis); 5-HT (5-hydroxytryptamine serotonin); SERT (serotonin transporter) (Roman, D.L. (479) 53)

Drug disposition

Nucleoside transporter; Nucleoside analog; Renal cancer; Kidney; Localization (Mangravite, L.M. (479) 269)

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GABA transport; Tiagabine; GAT-1 (GABA transporter-1); GAT-2 (GABA transporter-2); GAT-3 (GABA transporter-3); Tonic conductance; Extrasynaptic (Dalby, N.O. (479) 127)

Extrasynaptic

GABA transport; Tiagabine; GAT-1 (GABA transporter-1); GAT-2 (GABA transporter-2); GAT-3 (GABA transporter-3); Epilepsy; Tonic conductance (Dalby, N.O. (479) 127)

Fluorescence spectroscopy

Structural probing; Functional probing; Biogenic amine (Rasmussen, S.G.F. (479) 13)

Fluorescence microscopy

Metallothionein; Zn^{2+} trafficking; Transition element; Zinquin; Mitochondrion; Cultured cell; (Rat) (Colvin, R.A. (479) 171)

FRET (fluorescence resonance energy transfer)

Na^+ – Cl^- -coupled neurotransmitter transporter; Neurotransmitter: Na^+ symporter; Microscopy; Oligomer; Dimer (Sitte, H.H. (479) 229)

Functional probing

Structural probing; Biogenic amine; Fluorescence spectroscopy (Rasmussen, S.G.F. (479) 13)

Functional regulation

DAT (dopamine transporter); Trafficking; Presynaptic receptor; Substrate-mediated regulation (Gulley, J.M. (479) 139)

GABA transport

Tiagabine; GAT-1 (GABA transporter-1); GAT-2 (GABA transporter-2); GAT-3 (GABA transporter-3); Epilepsy; Tonic conductance; Extrasynaptic (Dalby, N.O. (479) 127)

GAT-1 (GABA transporter-1)

GABA transport; Tiagabine; GAT-2 (GABA transporter-2); GAT-3 (GABA transporter-3); Epilepsy; Tonic conductance; Extrasynaptic (Dalby, N.O. (479) 127)

Gene expression

Norepinephrine transporter; Alternative splicing; Methamphetamine; Uptake inhibitor (Kitayama, S. (479) 65)

Glutamate

Neutral amino acid transporter; ASC (Kanai, Y. (479) 237)

Glutamate transporter

Neurodegeneration; Glutamate uptake; Substrate; Inhibitor (Mennini, T. (479) 291)

Glutamate uptake

Glutamate transporter; Neurodegeneration; Substrate; Inhibitor (Mennini, T. (479) 291)

Glycine transport

Neurotransmission; GLYT1 (glycine transporter 1); GLYT2 (glycine transporter 2); NMDA receptor; Central nervous system (Aragón, C. (479) 249)

GLYT1 (glycine transporter 1)

Glycine transport; Neurotransmission; GLYT2 (glycine transporter 2); NMDA receptor; Central nervous system (Aragón, C. (479) 249)

5-HT (5-hydroxytryptamine, serotonin)

Cocaine; Monoamine; Psychostimulant; Amphetamine; Dopamine; DAT (dopamine transporter); SERT (serotonin transporter) (Rothman, R.B. (479) 23)

Antidepressant; CoMFA (Comparative Molecular Field Analysis); *Drosophila*; SERT (serotonin transporter) (Roman, D.L. (479) 53)

Hyperactivity

Reinforcement; Cocaine self-administration; Behavioral sensitization; Knockout, mouse; DAT (dopamine transporter); NET (norepinephrine transporter); SERT (serotonin transporter) (Rocha, B.A. (479) 107)

Inhibitor

Glutamate transporter; Neurodegeneration; Glutamate uptake; Substrate (Mennini, T. (479) 291)

Innate lung defense

Amino acid; Peptide (Mager, S. (479) 263)

Kidney

Nucleoside transporter; Nucleoside analog; Renal cancer; Drug disposition; Localization (Mangravite, L.M. (479) 269)

Knockout, mouse

Reinforcement; Cocaine self-administration; Hyperactivity; Behavioral sensitization; DAT (dopamine transporter); NET (norepinephrine transporter); SERT (serotonin transporter) (Rocha, B.A. (479) 107)

Leakage

DAT (Dopamine transporter); Multisubstrate mechanisms; Terreactant mechanisms; Na^+ -dependent transporter; Cl^- -dependent transport; Slippage (Schenk, J.O. (479) 223)

Localization

Nucleoside transporter; Nucleoside analog; Renal cancer; Kidney; Drug disposition (Mangravite, L.M. (479) 269)

Metallothionein

Zn^{2+} trafficking; Transition element; Zinquin; Mitochondrion; Cultured cell; Fluorescence microscopy; (Rat) (Colvin, R.A. (479) 171)

Methamphetamine

Norepinephrine transporter; Gene expression; Alternative splicing; Uptake inhibitor (Kitayama, S. (479) 65)

Methylphenidate

Vesicular monoamine transporter; Amphetamine; Cocaine (Fleckenstein, A.E. (479) 283)

Microscopy

Na^+ – Cl^- -coupled neurotransmitter transporter; Neurotransmitter: Na^+ symporter; FRET (fluorescence resonance energy transfer); Oligomer; Dimer (Sitte, H.H. (479) 229)

Mitochondrion

Metallothionein; Zn^{2+} trafficking; Transition element; Zinquin; Cultured cell; Fluorescence microscopy; (Rat) (Colvin, R.A. (479) 171)

Monoamine

Cocaine; Psychostimulant; Amphetamine; Dopamine; 5-HT (5-hydroxytryptamine, serotonin); DAT (dopamine transporter); SERT (serotonin transporter) (Rothman, R.B. (479) 23)

Multisubstrate mechanisms

DAT (Dopamine transporter); Leakage; Terreactant mechanisms; Na^+ -dependent transporter; Cl^- -dependent transport; Slippage (Schenk, J.O. (479) 223)

Mutant

DAT (dopamine transporter); SERT (serotonin transporter); Transmembrane domain; Cocaine selective; Antagonism (Uhl, G.R. (479) 18)

 Na^+

DAT (dopamine transporter); Dopamine recognition; Cation; Access model (Chen, N. (479) 213)

 Na^+ – Cl^- -coupled neurotransmitter transporter

Neurotransmitter: Na^+ symporter; FRET (fluorescence resonance energy transfer); Microscopy; Oligomer; Dimer (Sitte, H.H. (479) 229)

Na⁺-dependent transporter

DAT (Dopamine transporter); Multisubstrate mechanisms; Leakage; Terreactant mechanisms; Cl⁻-dependent transport; Slippage (Schenk, J.O. (479) 223)

NET (norepinephrine transporter)

Reinforcement; Cocaine self-administration; Hyperactivity; Behavioral sensitization; Knockout, mouse; DAT (dopamine transporter); SERT (serotonin transporter) (Rocha, B.A. (479) 107)

Neurodegeneration

Glutamate transporter; Glutamate uptake; Substrate; Inhibitor (Mennini, T. (479) 291)

Neurotransmission

Glycine transport; GLYT1 (glycine transporter 1); GLYT2 (glycine transporter 2); NMDA receptor; Central nervous system (Aragón, C. (479) 249)

Neurotransmitter: Na⁺ symporter

Na⁺-Cl⁻-coupled neurotransmitter transporter; FRET (fluorescence resonance energy transfer); Microscopy; Oligomer; Dimer (Sitte, H.H. (479) 229)

Neurotransmitter transport

Dopamine transporter; Transporter regulation; Trafficking; Signaling mechanism; Phosphorylation; Cocaine; Amphetamine (Mortensen, O.V. (479) 159)

Neurotransmitter transporter

Conformational change; Structural context (Goldberg, N.R. (479) 3)

Neutral amino acid transporter

Glutamate; ASC (Kanai, Y. (479) 237)

NMDA receptor

Glycine transport; Neurotransmission; GLYT1 (glycine transporter 1); GLYT2 (glycine transporter 2); Central nervous system (Aragón, C. (479) 249)

Norepinephrine transporter

Gene expression; Alternative splicing; Methamphetamine; Uptake inhibitor (Kitayama, S. (479) 65)

Dopamine transporter; Protein kinase C; Dopamine release; PC12 cell; Striatum (Gnegy, M.E. (479) 83)

Nucleoside analog

Nucleoside transporter; Renal cancer; Kidney; Drug disposition; Localization (Mangravite, L.M. (479) 269)

Nucleoside transporter

Nucleoside analog; Renal cancer; Kidney; Drug disposition; Localization (Mangravite, L.M. (479) 269)

Oligomer

Na⁺-Cl⁻-coupled neurotransmitter transporter; Neurotransmitter: Na⁺ symporter; FRET (fluorescence resonance energy transfer); Microscopy; Dimer (Sitte, H.H. (479) 229)

PC12 cell

Dopamine transporter; Norepinephrine transporter; Protein kinase C; Dopamine release; Striatum (Gnegy, M.E. (479) 83)

Peptide

Amino acid; Innate lung defense (Mager, S. (479) 263)

Phosphorylation

Neurotransmitter transport; Dopamine transporter; Transporter regulation; Trafficking; Signaling mechanism; Cocaine; Amphetamine (Mortensen, O.V. (479) 159)

Presynaptic receptor

DAT (dopamine transporter); Functional regulation; Trafficking; Substrate-mediated regulation (Gulley, J.M. (479) 139)

Protein kinase C

Dopamine transporter; Norepinephrine transporter; Dopamine release; PC12 cell; Striatum (Gnegy, M.E. (479) 83)

Psychostimulant

Cocaine; Monoamine; Amphetamine; Dopamine; 5-HT (5-hydroxytryptamine, serotonin); DAT (dopamine transporter); SERT (serotonin transporter) (Rothman, R.B. (479) 23)

(Rat)

Metallothionein; Zn²⁺ trafficking; Transition element; Zinquin; Mitochondrion; Cultured cell; Fluorescence microscopy (Colvin, R.A. (479) 171)

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Cocaine self-administration; Hyperactivity; Behavioral sensitization; Knockout, mouse; DAT (dopamine transporter); NET (norepinephrine transporter); SERT (serotonin transporter) (Rocha, B.A. (479) 107)

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Cocaine; Dopamine; DAT (dopamine transporter); Diffusion; Voltammetry (Greco, P.G. (479) 117)

Renal cancer

Nucleoside transporter; Nucleoside analog; Kidney; Drug disposition; Localization (Mangravite, L.M. (479) 269)

Serotonin transporter (SERT)

Dopamine transporter (DAT); Cocaine; Attention deficit hyperactivity disorder (ADHD); Anti-depressant; Addiction (Madras, B.K. (479) 41)

SERT (serotonin transporter)

Cocaine; Monoamine; Psychostimulant; Amphetamine; Dopamine; 5-HT (5-hydroxytryptamine, serotonin); DAT (dopamine transporter) (Rothman, R.B. (479) 23)

Antidepressant; CoMFA (Comparative Molecular Field Analysis); *Drosophila*; 5-HT (5-hydroxytryptamine serotonin) (Roman, D.L. (479) 53)

DAT (dopamine transporter); Transmembrane domain; Mutant; Cocaine selective; Antagonism (Uhl, G.R. (479) 71)

Reinforcement; Cocaine self-administration; Hyperactivity; Behavioral sensitization; Knockout, mouse; DAT (dopamine transporter); NET (norepinephrine transporter) (Rocha, B.A. (479) 107)

Signaling mechanism

Neurotransmitter transport; Dopamine transporter; Transporter regulation; Trafficking; Phosphorylation; Cocaine; Amphetamine (Mortensen, O.V. (479) 159)

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DAT (Dopamine transporter); Multisubstrate mechanisms; Leakage; Terreactant mechanisms; Na⁺-dependent transporter; Cl⁻-dependent transport (Schenk, J.O. (479) 223)

Striatum

Dopamine transporter; Norepinephrine transporter; Protein kinase C; Dopamine release; PC12 cell (Gnegy, M.E. (479) 83)

Structural context

Conformational change; Neurotransmitter transporter (Goldberg, N.R. (479) 3)

Structural probing

Functional probing; Biogenic amine; Fluorescence spectroscopy (Rasmussen, S.G.F. (479) 13)

Structure

DAT (dopamine transporter); Zn²⁺-site engineering; Conformational change; Cocaine affinity (Loland, C.J. (479) 187)

Structure–activity relationship study

Cocaine; Analogue; DAT (dopamine transporter); Dopamine hypothesis; Binding activity (Dutta, A.K. (479) 93)

Substrate

Glutamate transporter; Neurodegeneration; Glutamate uptake; Inhibitor (Mennini, T. (479) 291)

Substrate-mediated regulation

DAT (dopamine transporter); Functional regulation; Trafficking; Presynaptic receptor (Gulley, J.M. (479) 139)

Terreactant mechanisms

DAT (Dopamine transporter); Multisubstrate mechanisms; Leakage; Na⁺-dependent transporter; Cl[−]-dependent transport; Slippage (Schenk, J.O. (479) 223)

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GABA transport; GAT-1 (GABA transporter-1); GAT-2 (GABA transporter-2); GAT-3 (GABA transporter-3); Epilepsy; Tonic conductance; Extrasynaptic (Dalby, N.O. (479) 127)

Tonic conductance

GABA transport; Tiagabine; GAT-1 (GABA transporter-1); GAT-2 (GABA transporter-2); GAT-3 (GABA transporter-3); Epilepsy; Extrasynaptic (Dalby, N.O. (479) 127)

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DAT (dopamine transporter); Functional regulation; Presynaptic receptor; Substrate-mediated regulation (Gulley, J.M. (479) 139)

Dopamine transporter; Amphetamine; Cocaine (Kahlig, K.M. (479) 153)

Neurotransmitter transport; Dopamine transporter; Transporter regulation; Signaling mechanism; Phosphorylation; Cocaine; Amphetamine (Mortensen, O.V. (479) 159)

Transition element

Metallothionein; Zn²⁺ trafficking; Zinquin; Mitochondrion; Cultured cell; Fluorescence microscopy; (Rat) (Colvin, R.A. (479) 171)

Transmembrane domain

DAT (dopamine transporter); SERT (serotonin transporter); Mutant; Cocaine selective; Antagonism (Uhl, G.R. (479) 71)

Transporter regulation

Neurotransmitter transport; Dopamine transporter; Trafficking; Signaling mechanism; Phosphorylation; Cocaine; Amphetamine (Mortensen, O.V. (479) 159)

Uptake blocker

DAT (dopamine transporter); Cation; Anion; Binding (Bonnet, J.-J. (479) 199)

Uptake inhibitor

Norepinephrine transporter; Gene expression; Alternative splicing; Methamphetamine (Kitayama, S. (479) 65)

Vesicular monoamine transporter

Amphetamine; Methylphenidate; Cocaine (Fleckenstein, A.E. (479) 283)

Voltammetry

Cocaine; Dopamine; DAT (dopamine transporter); Release; Diffusion (Greco, P.G. (479) 117)

Zinquin

Metallothionein; Zn²⁺ trafficking; Transition element; Mitochondrion; Cultured cell; Fluorescence microscopy; (Rat) (Colvin, R.A. (479) 171)

Zn²⁺-site engineering

DAT (dopamine transporter); Structure; Conformational change; Cocaine affinity (Loland, C.J. (479) 187)

Zn²⁺ trafficking

Metallothionein; Transition element; Zinquin; Mitochondrion; Cultured cell; Fluorescence microscopy; (Rat) (Colvin, R.A. (479) 171)