

Preparation of *N*-(Hetero)cyclyl Benzamides as Inhibitors of the Activity of Complex III of the Mitochondrial Electron Transport Chain

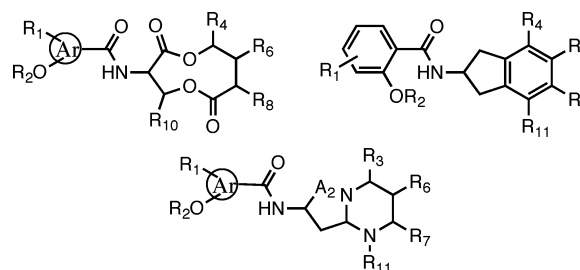
Patent Highlight

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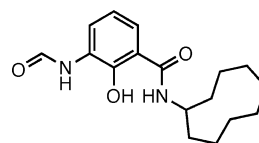
Title:	Preparation of <i>N</i> -(Hetero)cyclyl Benzamides as Inhibitors of the Activity of Complex III of the Mitochondrial Electron Transport Chain Useful for Treating Diseases		
Patent/Patent Application Number:	WO 2012070015 A1	Publication Date:	May 31, 2012
Priority Application:	CH 2010-1965 A	Priority Date:	November 24, 2010
Inventors:	Clement-Schatlo, V.; Fessard, T.; Cribeu, R.		
Assignee Company:	Stemergie Biotechnology SA, Switzerland		
Disease Area:	Cancer	Biological Target:	Complex III of the mitochondrial electron transport chain
Summary:	The present application claims <i>N</i> -(hetero)cyclyl benzamides that inhibit the activity of Complex III of the mitochondrial electron transport chain. The present invention further relates to use of the compounds as medicaments or as agrochemicals, where their properties as inhibitors of mitochondrial respiration are of benefit.		

Important Compound Classes:



Key Structure:

Example 4:



Biological Assay:	The treatment of glioma-initiating cells with increasing doses of example 4 decreased cell viability at 48 h, by inducing a fold increase ≥ 1.2 cell death at 50 μM in contrast to the negative control compound.
Synthesis:	Over 50 compounds were prepared.

AUTHOR INFORMATION

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Notes

The authors declare no competing financial interest.

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