

**CHEMBIOCHEM**

## Supporting Information

© Copyright Wiley-VCH Verlag GmbH & Co. KGaA, 69451 Weinheim, 2008

# CHEM**BIO**CHEM

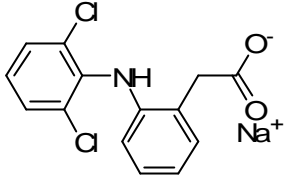
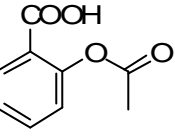
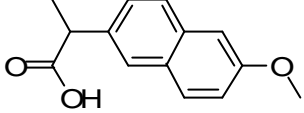
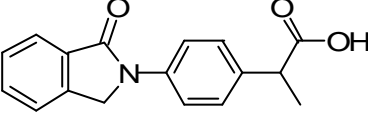
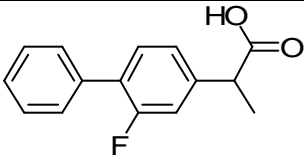
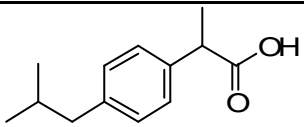
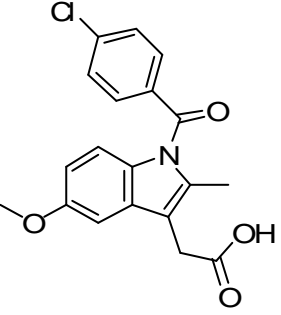
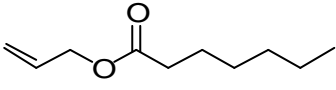
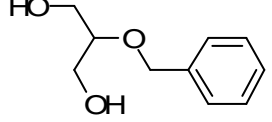
## Supporting Information

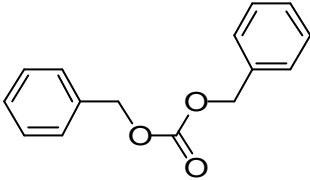
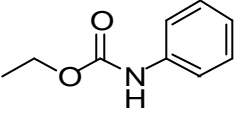
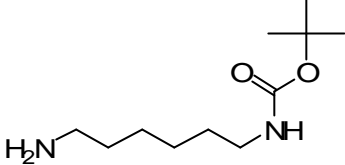
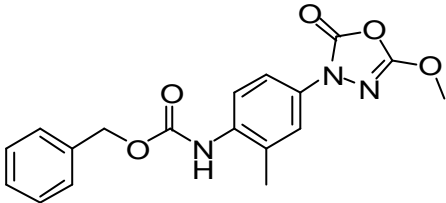
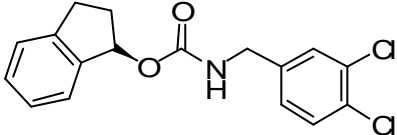
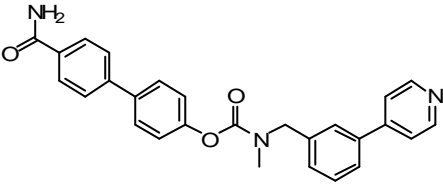
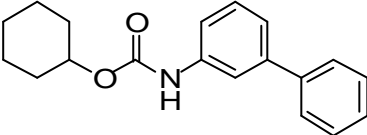
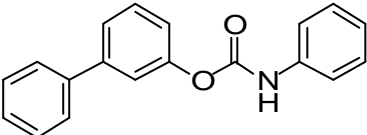
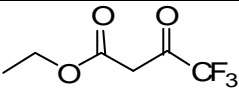
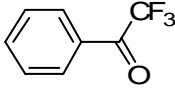
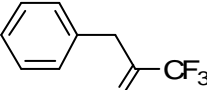
for

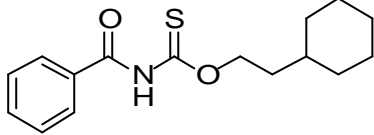
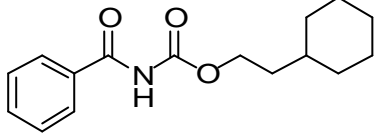
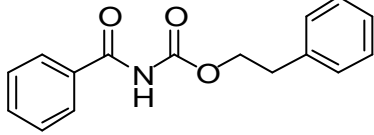
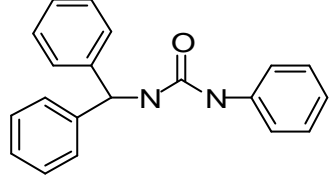
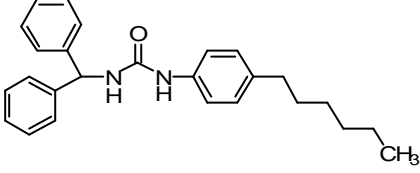
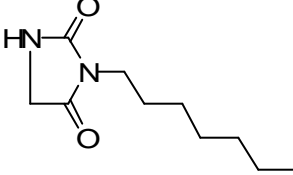
CAY10499, a Novel Monoglyceride Lipase Inhibitor  
Evidenced by an Expeditious MGL Assay

Giulio G. Muccioli,\* Geoffray Labar, and Didier M. Lambert\*

**Table S1.** Structure and activities of the compounds screened against MGL-mediated 4-NPA hydrolysis.

Compound	Structures	MGL activity (% of control)		Inhibitor type
		100 $\mu\text{M}$	10 $\mu\text{M}$	
SC1		51	82	NSAIDs
SC2		89	80	NSAIDs
SC3		55	67	NSAIDs
SC4		84	79	NSAIDs
SC5		68	64	NSAIDs
SC6		70	84	NSAIDs
SC7		103	100	NSAIDs
SC8		90	102	acylester
SC9		98	97	benzylglycerol

SC10		101	108	dibenzylcarbonate
SC11		88	90	carbamate
SC12		92	88	carbamate
CAY10499		5	5	carbamate
CAY10433		101	98	carbamate
WWL70		89	99	carbamate
URB602		69	84	carbamate
SC13		82	93	carbamate
SC14		80	84	trifluoro
SC15		92	111	trifluoro
SC16		100	101	trifluoro

SC17		12	36	benzoylcarbamate
SC18		63	80	benzoylcarbamate
SC19		79	83	benzoylcarbamate
SC20		104	105	benzhydryl
SC21		109	110	benzhydryl
SC22		102	98	hydantoin

SC1, SC2, SC4, SC5, SC6, SC7, were purchased from Sigma. SC3, SC14 were from Fluka and SC8, SC9, SC10, SC15, SC16 were from Aldrich. SC11 and SC12 were purchased from Acros Organics, and CAY10499, CAY10433, WWL70 from Cayman. SC17, SC18, SC19 were part of our chemical library, and SC20, SC21, SC22 were previously reported by us (Muccioli et al. *J. Med. Chem.* **2006**, *49*, 417-425 and Muccioli et al. *J. Med. Chem.* **2005**, *48*, 7486-7490). SC13 was synthesized for this study (see Mat and Method Section).