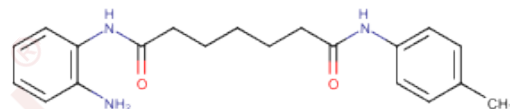


Pimelic diphenylamide 106

Chemical Properties

CAS No. : 937039-45-7
 Formula: C₂₀H₂₅N₃O₂
 Molecular Weight: 339.43
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Pimelic diphenylamide 106 (RGFA-8) is a slow, tight-binding inhibitor of class I HDAC (with IC ₅₀ values of 150 nM, 760 nM and 370 nM for HDAC 1, 2, and 3, respectively), showing no activity against class II HDACs.
Targets(IC ₅₀)	HDAC

Solubility Information

Solubility	DMSO: 55 mg/mL (162.04 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9461 mL	14.7306 mL	29.4612 mL
5 mM	0.5892 mL	2.9461 mL	5.8922 mL
10 mM	0.2946 mL	1.4731 mL	2.9461 mL
50 mM	0.0589 mL	0.2946 mL	0.5892 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Chou CJ, et al. J Biol Chem. 2008 Dec 19;283(51):35402-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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