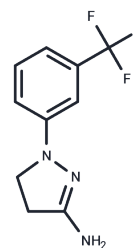


BW 755C

Chemical Properties

CAS No. : 66000-40-6
 Formula: C₁₀H₁₀F₃N₃
 Molecular Weight: 229.2
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	BW 755C is a dual inhibitor of 5-lipoxygenase (5-LO) and cyclooxygenase (COX) pathways.
Targets(IC50)	COX,Lipoxygenase
In vitro	BW 755C is approximately equipotent inhibitors of COX-1 and COX-2 in intact cells.

Solubility Information

Solubility	Ethanol: 20 mg/mL (87.26 mM),Sonication is recommended. DMSO: 25 mg/mL (109.08 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.363 mL	21.815 mL	43.630 mL
5 mM	0.8726 mL	4.363 mL	8.726 mL
10 mM	0.4363 mL	2.1815 mL	4.363 mL
50 mM	0.0873 mL	0.4363 mL	0.8726 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Mitchell J A , Akarasereenont P , Thiemermann C , et al. Selectivity of nonsteroidal antiinflammatory drugs as inhibitors of constitutive and inducible cyclooxygenase[J]. Proceedings of the National Academy of Sciences, 1993, 90(24):11693-11697.

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