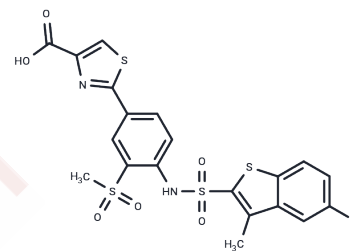


TY-51469

Chemical Properties

CAS No. : 603987-59-3
 Formula: C₂₀H₁₅FN₂O₆S₄
 Molecular Weight: 526.6
 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	TY-51469 is an inhibitor of chymase (IC ₅₀ s for simian and human chymases: 0.4 and 7.0 nM, respectively).
Targets(IC ₅₀)	Others,Proteasome
In vivo	TY-51469 inhibits the accumulation of neutrophils in the lung and decreases silica-induced pulmonary fibrosis in mice. TY-51469 displays 100% stability in rat plasma at 40°C for as long as 1 hour [1].

Solubility Information

Solubility	DMSO: 45 mg/mL (85.45 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	1.899 mL	9.4949 mL	18.9897 mL
5 mM	0.3798 mL	1.899 mL	3.7979 mL
10 mM	0.1899 mL	0.9495 mL	1.899 mL
50 mM	0.038 mL	0.1899 mL	0.3798 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

Takato H, et al. The specific chymase inhibitor TY-51469 suppresses the accumulation of neutrophils in the lung and reduces silica-induced pulmonary fibrosis in mice. Expert Opinion on Therapeutic Targets Volume 15, 2011 - Issue 4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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