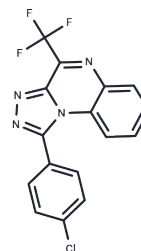


R-8507

Chemical Properties

CAS No. : 338773-13-0
 Formula: C₁₆H₈ClF₃N₄
 Molecular Weight: 348.71
 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	R-8507 is a small molecule antagonist of the TNF- α type 1 receptor (TNF- α RI). It inhibits the expression of intercellular adhesion molecule-1 (ICAM-1) induced by TNF- α and IL-1 β with EC ₅₀ values of 2.45 and 3.79 μ M, respectively, in an ELISA using A549 lung epithelial cells. It also disrupts the interaction of the TNF- α RI with receptor interacting protein 1 (RIP1) and TNF- α R-associated death domain protein (TRADD), preventing internalization of the receptor complex.
Targets(IC50)	Others, Interleukin, I κ B/IKK, RIP kinase, TNF

Solubility Information

Solubility	DMSO: 2 mg/mL (5.74 mM), Sonication is recommended. DMF: 16 mg/mL (45.88 mM), Sonication is recommended. DMF:PBS (pH 7.2) (1:5): 0.16 mg/mL (0.46 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	2.8677 mL	14.3386 mL	28.6771 mL
5 mM	0.5735 mL	2.8677 mL	5.7354 mL
10 mM	0.2868 mL	1.4339 mL	2.8677 mL
50 mM	0.0574 mL	0.2868 mL	0.5735 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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