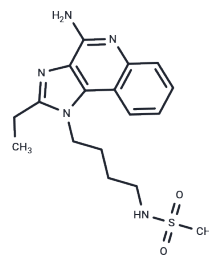


PF-4878691

Chemical Properties

CAS No. : 532959-63-0
 Formula: C₁₇H₂₃N₅O₂S
 Molecular Weight: 361.46
 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	PF-4878691 (3M-852A) is a potent and selective Toll-like receptor 7 agonist, designed to dissociate its antiviral and inflammatory activities.
Targets(IC50)	Apoptosis,HCV Protease,Interleukin,TLR,TNF

Solubility Information

Solubility	DMSO: 19.23 mg/mL (53.2 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 1.5 mg/mL (4.15 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7666 mL	13.8328 mL	27.6656 mL
5 mM	0.5533 mL	2.7666 mL	5.5331 mL
10 mM	0.2767 mL	1.3833 mL	2.7666 mL
50 mM	0.0553 mL	0.2767 mL	0.5533 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

Fidock MD, et al. The innate immune response, clinical outcomes, and ex vivo HCV antiviral efficacy of a TLR7 agonist (PF-4878691). Clin Pharmacol Ther. 2011 Jun;89(6):821-9.

Horscroft NJ, et al. Antiviral applications of Toll-like receptor agonists. J Antimicrob Chemother. 2012 Apr;67(4):789-801.

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