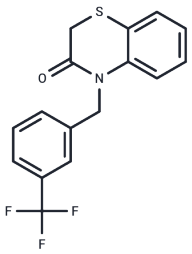
Data Sheet (Cat.No.T1752)

TargetMol

NS6180

Chemical Properties



CAS No. : 353262-04-1

Formula: C16H12F3NOS

Molecular Weight: 323.33

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	NS6180 is a potent and selective KCa3.1 channel inhibitor(IC50= 9 nM). It prevents T-cell activation and inflammation.
Targets(IC50)	Potassium Channel

Solubility Information

Solubility	DMSO: 55 mg/mL (170.1 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: 2 mg/mL (6.19 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0928 mL	15.4641 mL	30.9282 mL
5 mM	0.6186 mL	3.0928 mL	6.1856 mL
10 mM	0.3093 mL	1.5464 mL	3.0928 mL
50 mM	0.0619 mL	0.3093 mL	0.6186 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

Strobak D, et al. Br J Pharmacol. 2013 Jan;168(2):432-44.

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