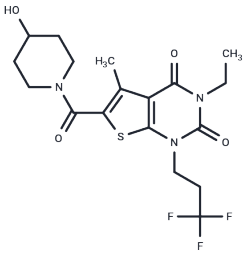
Data Sheet (Cat.No.T8512)

TargetMol

BAY-545

Chemical Properties



CAS No. : 1699717-32-2

Formula: C18H22F3N3O4S

Molecular Weight: 433.45

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	BAY-545 is an antagonist of A2B adenosine receptor(IC50 : 59 nM).
Targets(IC50)	Adenosine Receptor

Solubility Information

Solubility	DMSO: 145 mg/mL (334.53 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: 4 mg/mL (9.23 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	2.3071 mL	11.5354 mL	23.0707 mL
5 mM	0.4614 mL	2.3071 mL	4.6141 mL
10 mM	0.2307 mL	1.1535 mL	2.3071 mL
50 mM	0.0461 mL	0.2307 mL	0.4614 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

Härter M, et al. Novel non-xanthine antagonist of the A2B adenosine receptor: From HTS hit to lead structure. Eur J Med Chem. 2019 Feb 1;163:763-778.

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