Data Sheet (Cat.No.T37076)



Zabedosertib

Chemical Properties

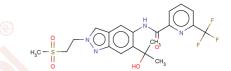
CAS No.: 1931994-81-8

Formula: C20H21F3N4O4S

Molecular Weight: 470.47

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Zabedosertib (BAY 1834845) is an inhibitor of IRAK4 with immunomodulatory potential. Zabedosertib protects against acute respiratory distress syndrome, a new study suggests.
Targets(IC50)	IRAK
In vivo	In an inhaled lipopolysaccharide (LPS)-induced ARDS mouse model, BAY-1834845 downregulated genes more efficiently than dexamethasone, especially TNF, IL-17, interferon, and Toll-like receptor signaling[1].

Solubility Information

Preparing Stock Solutions

.,(0)	1mg	5mg	10mg
1 mM	2.1255 mL	10.6277 mL	21.2553 mL
5 mM	0.4251 mL	2.1255 mL	4.2511 mL
10 mM	0.2126 mL	1.0628 mL	2.1255 mL
50 mM	0.0425 mL	0.2126 mL	0.4251 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.

Reference

Li Q, et al. Oral IRAK4 inhibitor BAY-1834845 prevents acute respiratory distress syndrome. Biomed Pharmacother. 2022 Sep;153:113459.

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