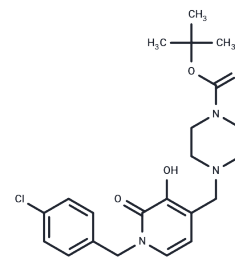


Izilendustat

Chemical Properties

CAS No. :	1303512-02-8
Formula:	C ₂₂ H ₂₈ ClN ₃ O ₄
Molecular Weight:	433.93
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	Tert-butyl 4-[[1-[(4-chlorophenyl)methyl]-3-hydroxy-2-oxopyridin-4-yl]methyl]piperazine-1-carboxylate inhibit of human recombinant EGLN-1 as substrate after 20 mins by mass spectrophotometric analysis.
Targets(IC50)	HIF/HIF Prolyl-Hydroxylase

Solubility Information

Solubility	DMSO: 4.95 mg/mL (11.41 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	2.3045 mL	11.5226 mL	23.0452 mL
5 mM	0.4609 mL	2.3045 mL	4.609 mL
10 mM	0.2305 mL	1.1523 mL	2.3045 mL
50 mM	0.0461 mL	0.2305 mL	0.4609 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

Rabinowitz MH. Inhibition of hypoxia-inducible factor prolyl hydroxylase domain oxygen sensors: tricking the body into mounting orchestrated survival and repair responses. J Med Chem. 2013 Dec 12;56(23):9369-402.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481