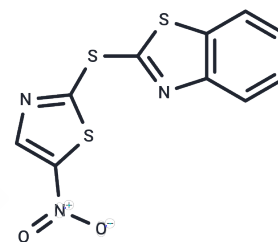


NPAS3-IN-1

Chemical Properties

CAS No. :	2207-44-5
Formula:	C ₁₀ H ₅ N ₃ O ₂ S ₃
Molecular Weight:	295.36
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	NPAS3-IN-1 is a potent inhibitor of NPAS3-ARNT heterodimerization, modulating NPAS3 transcription by targeting the interaction between NPAS3 and ARNT at the cellular level.
Targets(IC50)	Others,HIF/HIF Prolyl-Hydroxylase

Solubility Information

Solubility	DMSO: 20 mg/mL (67.71 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	3.3857 mL	16.9285 mL	33.857 mL
5 mM	0.6771 mL	3.3857 mL	6.7714 mL
10 mM	0.3386 mL	1.6928 mL	3.3857 mL
50 mM	0.0677 mL	0.3386 mL	0.6771 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

Li P, et al. Discovery of a highly potent NPAS3 heterodimer inhibitor by covalently modifying ARNT. Bioorg Chem. 2023 Oct;139:106676.

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