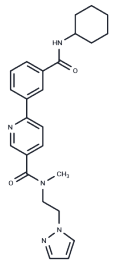
Data Sheet (Cat.No.T24778)

TargetMol

sEH-IN-12

Chemical Properties



CAS No. : 1883803-09-5

Formula: C25H29N5O2

Molecular Weight: 431.53

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	sEH-IN-12 is an effective inhibitor of the enzyme soluble epoxide hydrolase (sEH).
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3173 mL	11.5867 mL	23.1734 mL
5 mM	0.4635 mL	2.3173 mL	4.6347 mL
10 mM	0.2317 mL	1.1587 mL	2.3173 mL
50 mM	0.0463 mL	0.2317 mL	0.4635 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

Chang LH, Lin HC, Huang SS, Chen IC, Chu KW, Chih CL, Liang YW, Lee YC, Chen YY, Lee YH, Lee IH. Blockade of soluble epoxide hydrolase attenuates post-ischemic neuronal hyperexcitation and confers resilience against stroke with TrkB activation. Sci Rep. 2018 Jan 8;8(1):118. doi: 10.1038/s41598-017-18558-6. PubMed PMID: 29311641; PubMed Central PMCID: PMC5758800.

Yang SH, Kim YC, An JN, Kim JH, Lee J, Lee HY, Cho JY, Paik JH, Oh YK, Lim CS, Kim YS, Lee JP. Active maintenance of endothelial cells prevents kidney fibrosis. Kidney Res Clin Pract. 2017 Dec;36(4):329-341. doi: 10.23876/j.krcp.2017.36.4.329. Epub 2017 Dec 31. PubMed PMID: 29285425; PubMed Central PMCID: PMC5743042.

Hung TH, Shyue SK, Wu CH, Chen CC, Lin CC, Chang CF, Chen SF. Deletion or inhibition of soluble epoxide hydrolase protects against brain damage and reduces microglia-mediated neuroinflammation in traumatic brain injury. Oncotarget. 2017 Sep 21;8(61):103236-103260. doi: 10.18632/oncotarget.21139. eCollection 2017 Nov 28. PubMed PMID: 29262558; PubMed Central PMCID: PMC5732724.

Kim HS, Kim SK, Kang KW. Differential Effects of sEH Inhibitors on the Proliferation and Migration of Vascular Smooth Muscle Cells. Int J Mol Sci. 2017 Dec 11;18(12). pii: E2683. doi: 10.3390/ijms18122683. PubMed PMID: 29232926; PubMed Central PMCID: PMC5751285.

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