
Product Data Sheet

Product Name: Soluble epoxide hydrolase inhibitor

Cat. No.: GC31599

Chemical Properties

Cas. No. 1241826-88-9

SMILES O=C(C1=CN2C(C=C1)=NN(CC(F)F)C2=O)NCC3=CC=C(C#N)C=C3OC(F)(F)FFormula $C_{18}H_{12}F_5N_5O_3$ M.Wt 441.31

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Protocol****Kinase experiment:**

The sEH inhibitory properties of test compounds (including Soluble epoxide hydrolase inhibitor) are determined using a black 384-well-plate format under the following reaction conditions: 20 mM Tris pH 7.0, 0.1 mM EDTA, 0.1 mg/mL BSA, 5 μM PHOME (substrate), 2 nM sEH enzyme, 1% DMSO (from test compound). Reaction product is determined quantitatively by fluorescence intensity using a Fluorescence plate reader with an excitation wavelength at 330 nm and emission at 465 nm[1].

Caution: Product has not been fully validated for medical applications. For research use only.

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References:

[1]. 3-OXO-2, 3-DIHYDRO- [1,2, 4] TRIAZOLO [4, 3-A]PYRIDINES AS SOLUBLE EPOXIDE HYDROLASE (SEH) INHIBITORS. WO 2010096722 A1

Background

Soluble epoxide hydrolase inhibitor is an inhibitor of soluble epoxide hydrolase, and inhibits human soluble epoxide hydrolase (h-sEH) with pIC50 of 8.4, extracted from patent WO 2010096722 A1, example 57.

Soluble epoxide hydrolase inhibitor (Example 57) is an inhibitor of soluble epoxide hydrolase, and inhibits human soluble epoxide hydrolase with pIC50 of 8.4[1].

[1]. 3-OXO-2, 3-DIHYDRO- [1,2, 4] TRIAZOLO [4, 3-A]PYRIDINES AS SOLUBLE EPOXIDE HYDROLASE (SEH) INHIBITORS. WO 2010096722 A1

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