

Product Data Sheet

Product Name: SBI-425
Cat. No.: GC38846

Chemical Properties

Cas. No. 1451272-71-1

SMILES O=C(C1=CC(NS(=O)(C2=CC(Cl)=CC=C2OC)=O)=CN=C1)N

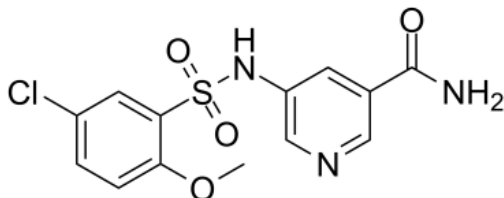
Formula $C_{13}H_{12}ClN_3O_4S$ M.Wt 341.77

Solubility DMSO: 86.67 mg/mL (253.59 mM) 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



Background

SBI-425 is a potent, selective and oral bioavailable tissue-nonspecific alkaline phosphatase (TNAP) inhibitor[1]. Long-term administration of SBI-425 effectively reaches and inhibits TNAP in the vasculature, improving cardiovascular parameters and survival at a dose that does not cause a

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

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detectable change in bone[2].

[1]. Pinkerton AB, et al. Discovery of 5-((5-chloro-2-methoxyphenyl)sulfonamido)nicotinamide (SBI-425), a potent and orally bioavailable tissue-nonspecific alkaline phosphatase (TNAP) inhibitor. Bioorg Med Chem Lett. 2018 Jan 1;28(1):31-34. [2]. Sheen CR, et al. Pathophysiological role of vascular smooth muscle alkaline phosphatase in medial artery calcification. J Bone Miner Res. 2015 May;30(5):824-36.

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