
Product Data Sheet

Product Name: S4
Cat. No.: GC50209

Chemical Properties

Cas. No. 1330061-67-0

SMILES NS(OC1=CC=C(NC(NC2=CC(C)=CC(C)=C2)=O)C=C1)(=O)=O

Formula $C_{15}H_{17}N_3O_4S$ M.Wt 335.38

Solubility DMSO: 30 mg/ml 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

High affinity and selective CA IX and CA XII inhibitor (K_i values are 2, 7, 547 and 5600 nM for CA XII, IX, II and I, respectively). Inhibits migration and proliferation of breast cancer cells in vitro. Inhibits lung metastasis in mice bearing breast tumor xenografts, without affecting primary tumor.

Gieling et al (2012) Antimetastatic effect of sulfamate carbonic anhydrase IX inhibitors in breast carcinoma xenografts. J.Med.Chem. 55 5591 PMID:22621623

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

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