

Product Data Sheet

Product Name: SGC2085 (hydrochloride)

Cat. No.: GC18428

Chemical Properties

Cas. No. 1821908-49-9

Chemical Name 2S-amino-N-[[4-(3,5-dimethylphenoxy)-3-methylphenyl]methyl]-propanamide, monohydrochloride

SMILES CC1=CC(C)=CC(OC2=CC=C(CNC([C@@H](N)C)=O)C=C2C)=C1.Cl

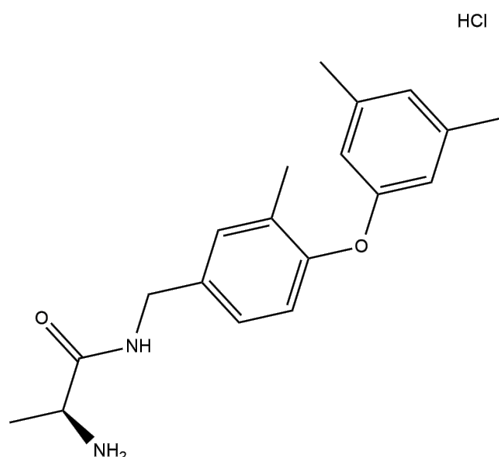
Formula $C_{19}H_{24}N_2O_2 \cdot HCl$ M.Wt 348.9

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 30 mg/ml, Ethanol: PBS (pH 7.2) (1:10): 0.1 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

SGC2085 is an inhibitor of protein arginine methyltransferase 4 (PRMT4/CARM1; IC₅₀ = 50 nM). It is selective for PRMT4/CARM1 over PRMT8 at concentrations up to 50 μM and PRMT1, PRMT3,

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

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PRMT5, and PRMT7 up to 100 μ M. SGC2085 also weakly inhibits PRMT6 ($IC_{50} = 5.2 \mu$ M). It has no activity in HEK293 cells at concentrations up to 10 μ M.

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