

S0859

Chemical Properties

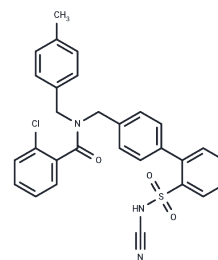
CAS No. : 1019331-10-2

Formula: C₂₉H₂₄ClN₃O₃S

Molecular Weight: 530.04

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	S0859 is an N-cyanosulphonamide that blocks the sodium/bicarbonate cotransporter (NBC, also known as SLC4A7), which regulates intracellular pH.
Targets(IC50)	Others,Sodium Channel

Solubility Information

Solubility DMSO: 250 mg/mL (471.66 mM),Sonication is recommended.
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8867 mL	9.4333 mL	18.8665 mL
5 mM	0.3773 mL	1.8867 mL	3.7733 mL
10 mM	0.1887 mL	0.9433 mL	1.8867 mL
50 mM	0.0377 mL	0.1887 mL	0.3773 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

Larsen AM, et al. ChemMedChem. 2012 Oct;7(10):1808-14.

He J, Wu J, Tan J, et al.Role of declined electrogenic Na⁺/HCO₃⁻-cotransporter NBCe1 in mucus barrier impairment and colonic inflammation.International Immunopharmacology.2025, 150: 114282.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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