

S07-2005 (racemic)

Chemical Properties

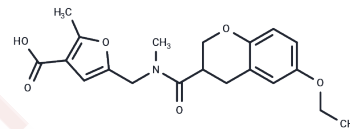
CAS No. : 1826337-40-9

Formula: C₂₀H₂₃NO₆

Molecular Weight: 373.4

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

Actual storage temperature shall be subject to the COA.



Biological Description

Description	S07-2005 racemic is a chemically potent and selective inhibitor of aldo-keto reductase 1C3 (AKR1C3), with an IC ₅₀ value of 0.13 μM and 0.75 μM for AKR1C3 and AKR1C4, respectively. Due to its inhibitory properties, it exhibits potential as a chemotherapeutic potentiator, specifically in the context of overcoming drug resistance in cancer [1].
Targets(IC ₅₀)	Others,Dehydrogenase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6781 mL	13.3905 mL	26.7809 mL
5 mM	0.5356 mL	2.6781 mL	5.3562 mL
10 mM	0.2678 mL	1.339 mL	2.6781 mL
50 mM	0.0536 mL	0.2678 mL	0.5356 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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