

APS-2-79

Chemical Properties

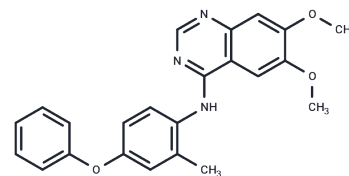
CAS No. : 2002381-25-9

Formula: C₂₃H₂₁N₃O₃

Molecular Weight: 387.43

Appearance: no data available

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



Biological Description

Description	APS-2-79, a KSR-dependent MEK antagonist, disrupts ATP (biotin) binding within the KSR2-MEK1 complex, achieving an inhibitory concentration (IC ₅₀) of 120 nM. This action stabilizes the KSR inactive state and antagonizes oncogenic Ras-MAPK signaling.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5811 mL	12.9056 mL	25.8111 mL
5 mM	0.5162 mL	2.5811 mL	5.1622 mL
10 mM	0.2581 mL	1.2906 mL	2.5811 mL
50 mM	0.0516 mL	0.2581 mL	0.5162 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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