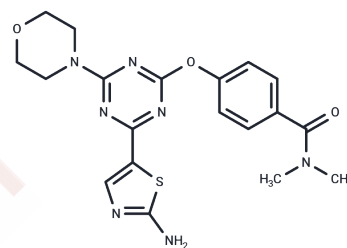


SPR519

Chemical Properties

CAS No. : 1391923-59-3
 Formula: C₁₉H₂₁N₇O₃S
 Molecular Weight: 427.48
 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	SPR519 is a potent dual inhibitor of PI3K α and mTOR kinases with IC ₅₀ (PI3K α) = 30 nM and IC ₅₀ (mTOR) = 10 nM. SPR519 exhibits an EC ₅₀ of low sub-micromolar range among various tested cancer cell lines such as A2780 (0.23 μ M), PC3 (0.48 μ M), and SKOV3 (0.50 μ M).
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3393 mL	11.6965 mL	23.3929 mL
5 mM	0.4679 mL	2.3393 mL	4.6786 mL
10 mM	0.2339 mL	1.1696 mL	2.3393 mL
50 mM	0.0468 mL	0.2339 mL	0.4679 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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