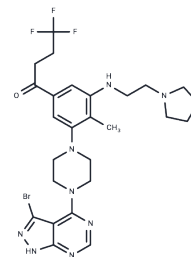


XL-418

## Chemical Properties

CAS No. : 871343-09-8  
 Formula: C<sub>26</sub>H<sub>32</sub>BrF<sub>3</sub>N<sub>8</sub>O  
 Molecular Weight: 609.48  
 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	XL-418 is a selective, orally active small molecule, targeting protein kinase B (PKB or AKT) and ribosomal protein S6 Kinase (p70S6K), with potential antineoplastic activity. XL418 inhibits the activities of PKB and p70S6K, both acting downstream of phosphoinositide-3 kinase (PI3K). These kinases are often upregulated in a variety of cancers. Inhibition of PKB by this agent will induce apoptosis, while inhibition of p70S6K will result in the inhibition of translation within tumor cells.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6407 mL	8.2037 mL	16.4074 mL
5 mM	0.3281 mL	1.6407 mL	3.2815 mL
10 mM	0.1641 mL	0.8204 mL	1.6407 mL
50 mM	0.0328 mL	0.1641 mL	0.3281 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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