

PKM2 activator 3

Chemical Properties

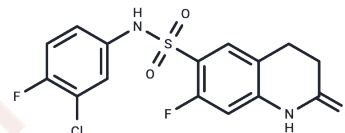
CAS No. : 1346113-84-5

Formula: C₁₅H₁₁ClF₂N₂O₃S

Molecular Weight: 372.77

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 | PKM2 activator 3 is a highly potent compound that activates PKM2, with an AC 50 value of 90 nM. It exhibits excellent Caco-2 permeability, a low efflux ratio, and remarkable microsomal stability. PKM2 activator 3 is particularly valuable for anticancer research purposes [1]. (AC 50: the concentration at which 50% enzyme activation occurs.) |
| Targets(IC50) | Others,PKM |
| In vivo | PKM2 activator 3, also known as compound 66, exhibits favorable pharmacokinetic properties, including efficient Caco-2 permeability and a low efflux ratio of 0.84. It demonstrates robust microsomal stability, with a half-life of 277.2 minutes in human liver microsomes and 117.5 minutes in mouse liver microsomes [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.6826 mL | 13.4131 mL | 26.8262 mL |
| 5 mM | 0.5365 mL | 2.6826 mL | 5.3652 mL |
| 10 mM | 0.2683 mL | 1.3413 mL | 2.6826 mL |
| 50 mM | 0.0537 mL | 0.2683 mL | 0.5365 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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