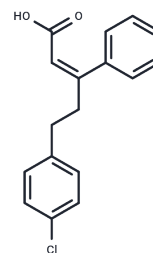


PS 48

Chemical Properties

CAS No. : 1180676-32-7
 Formula: C₁₇H₁₅ClO₂
 Molecular Weight: 286.75
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	PS 48 has been shown to be a PKB Kinase (PDK1) activator (K _d : 10.3 μM). This compound selectively binds to the PIF-binding pocket of PKB Kinase (PDK1).
Targets(IC ₅₀)	PDK

Solubility Information

Solubility	Ethanol: 50 mM, DMSO: 55 mg/mL (191.8 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4874 mL	17.4368 mL	34.8736 mL
5 mM	0.6975 mL	3.4874 mL	6.9747 mL
10 mM	0.3487 mL	1.7437 mL	3.4874 mL
50 mM	0.0697 mL	0.3487 mL	0.6975 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.

Reference

Han F, et al. Triptolide Suppresses Glomerular Mesangial Cell Proliferation in Diabetic Nephropathy Is Associated with Inhibition of PDK1/Akt/mTOR Pathway. Int J Biol Sci. 2017 Sep 21;13(10):1266-1275.

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