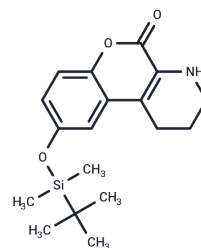


kb-NB77-78

## Chemical Properties

CAS No. : 1350622-33-1  
 Formula: C<sub>18</sub>H<sub>25</sub>NO<sub>3</sub>Si  
 Molecular Weight: 331.48  
 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	kb-NB77-78 is an analog of CID797718, which is a by-product of the synthesis of the parental compound, CID755673(PKD1 inhibitor).
Targets(IC50)	Others,Serine/threonin kinase

## Solubility Information

Solubility	DMSO: 45 mg/mL (135.75 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (6.03 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0168 mL	15.0839 mL	30.1677 mL
5 mM	0.6034 mL	3.0168 mL	6.0335 mL
10 mM	0.3017 mL	1.5084 mL	3.0168 mL
50 mM	0.0603 mL	0.3017 mL	0.6034 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.

Reference

George KM, et al. Pharmaceutics. 2011;3(2):186-228.

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