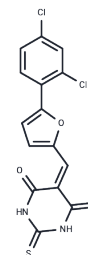


EPAC 5376753

## Chemical Properties

CAS No. : 302826-61-5  
 Formula: C<sub>15</sub>H<sub>8</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>3</sub>S  
 Molecular Weight: 367.21  
 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	EPAC 5376753 is an allosteric inhibitor of EPAC1 with an IC <sub>50</sub> of 4 μM in Swiss 3T3 cells.
Targets(IC <sub>50</sub> )	cAMP,Ras
In vitro	EPAC 5376753 decreases the conformational changes of EPAC necessary for its activation. EPAC 5376753 inhibits EPAC signaling in cells and EPAC-mediated migration in fibroblasts[1].

## Solubility Information

Solubility	DMSO: 3.68 mg/mL (10.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7232 mL	13.6162 mL	27.2324 mL
5 mM	0.5446 mL	2.7232 mL	5.4465 mL
10 mM	0.2723 mL	1.3616 mL	2.7232 mL
50 mM	0.0545 mL	0.2723 mL	0.5446 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

Brown LM, et al. Allosteric inhibition of Epac: computational modeling and experimental validation to identify allosteric sites and inhibitors. J Biol Chem. 2014 Oct 17;289(42):29148-57.

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