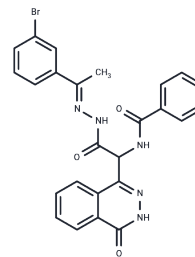


AC-55541

## Chemical Properties

CAS No. : 916170-19-9  
 Formula: C<sub>25</sub>H<sub>20</sub>BrN<sub>5</sub>O<sub>3</sub>  
 Molecular Weight: 518.36  
 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	AC-55541 (AOB2796) is a novel PAR2 agonist; activated PAR2 signaling in cellular proliferation assays, phosphatidylinositol hydrolysis assays, and Ca(2+) mobilization assays, with potencies ranging from 200 to 1000 nM.
Targets(IC50)	Proteasome,Protease-activated Receptor
Kinase Assay	Inhibition Kinetics Studies: Recombinant human wild-type and T790M/L858R double mutant EGFR, both Nterminal GST-tagged, are used in the assay. The Omnia continuous read assay is performed as described by the vendor.

## Solubility Information

Solubility	DMSO: 5.19 mg/mL (10.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (1.93 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.9292 mL	9.6458 mL	19.2916 mL
5 mM	0.3858 mL	1.9292 mL	3.8583 mL
10 mM	0.1929 mL	0.9646 mL	1.9292 mL
50 mM	0.0386 mL	0.1929 mL	0.3858 mL

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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

Gardell LR, et al. J Pharmacol Exp Ther. 2008 Dec;327(3):799-808.

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