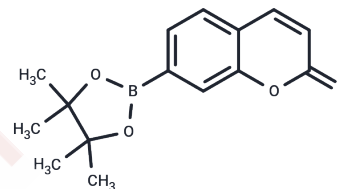


## Coumarin Boronic Acid pinacolate ester

## Chemical Properties

CAS No. :	190788-61-5
Formula:	C <sub>15</sub> H <sub>17</sub> BO <sub>4</sub>
Molecular Weight:	272.1
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	Coumarin boronic acid pinacolate ester (CBE) is a more soluble form of coumarin boronic acid that can be used to detect peroxynitrite, hypochlorous acid, and hydrogen peroxide. Peroxynitrite oxidizes CBE into the fluorescent product 7-hydroxycoumarin (COH), which displays excitation/emission maxima of 332/470 nm, respectively.
Targets(IC50)	Others

## Solubility Information

Solubility	DMF: 11 mg/mL (40.43 mM), Sonication is recommended. DMSO: 3 mg/mL (11.03 mM), Sonication is recommended. DMF:PBS(pH 7.2)(1:1): 0.5 mg/mL (1.84 mM), Sonication is recommended. Ethanol: 1 mg/mL (3.68 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	3.6751 mL	18.3756 mL	36.7512 mL
5 mM	0.735 mL	3.6751 mL	7.3502 mL
10 mM	0.3675 mL	1.8376 mL	3.6751 mL
50 mM	0.0735 mL	0.3675 mL	0.735 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.

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