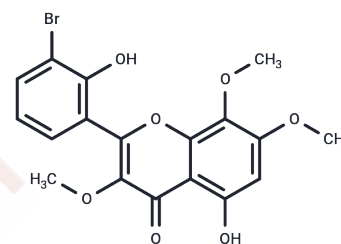


## Bromoflavone

## Chemical Properties

CAS No. :	399509-71-8
Formula:	C <sub>18</sub> H <sub>15</sub> BrO <sub>7</sub>
Molecular Weight:	423.21
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	Bromoflavone (CJ-19784) is a flavonoid isolated from <i>Aspergillus candidus</i> . It demonstrates antitubercular activity against <i>Mycobacterium tuberculosis</i> (MTB) with an MIC <sub>90</sub> of 1.2 μM. Additionally, Bromoflavone acts as an antifungal agent, inhibiting the growth of pathogenic fungi such as <i>Candida albicans</i> , <i>Cryptococcus neoformans</i> , and <i>Aspergillus fumigatus</i> with IC <sub>50</sub> values of 0.11 μg/mL, 20 μg/mL, and 0.54 μg/mL, respectively.
Targets(IC <sub>50</sub> )	Antibacterial, Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3629 mL	11.8145 mL	23.6289 mL
5 mM	0.4726 mL	2.3629 mL	4.7258 mL
10 mM	0.2363 mL	1.1814 mL	2.3629 mL
50 mM	0.0473 mL	0.2363 mL	0.4726 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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