

## AM12

## Chemical Properties

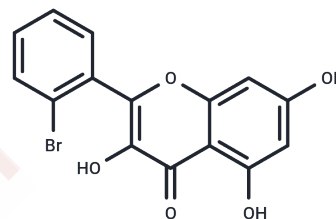
CAS No. : 2387510-84-9

Formula: C<sub>15</sub>H<sub>9</sub>BrO<sub>5</sub>

Molecular Weight: 349.13

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	AM12 inhibits lanthanide-evoked TRPC5 activity (IC <sub>50</sub> : 0.28 μM).
Targets(IC <sub>50</sub> )	TRP/TRPV Channel
In vitro	AM12 inhibits TRPC5 and TRPC4 channel activities evoked by the agonist (-)-Englerin A via a site accessible from the extracellular face of the membrane, acting directly on either the channel or a closely associated site. It also inhibits Ca <sup>2+</sup> entry evoked by Gd <sup>3+</sup> , with an IC <sub>50</sub> of 0.28 μM, demonstrating slightly higher potency than the natural product Galangin.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8643 mL	14.3213 mL	28.6426 mL
5 mM	0.5729 mL	2.8643 mL	5.7285 mL
10 mM	0.2864 mL	1.4321 mL	2.8643 mL
50 mM	0.0573 mL	0.2864 mL	0.5729 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

Naylor J, et al. Natural and synthetic flavonoid modulation of TRPC5 channels. Br J Pharmacol. 2016 Feb;173(3): 562-74.

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