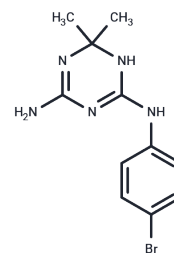


## 5-HT2B antagonist-1

## Chemical Properties

CAS No. :	393129-91-4
Formula:	C <sub>11</sub> H <sub>14</sub> BrN <sub>5</sub>
Molecular Weight:	296.17
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	5-HT2B antagonist-1 is an orally active 5-HT2B receptor antagonist with an IC <sub>50</sub> of 33.4 nM, suitable for studies of diseases characterized by 5-HT2B receptor signaling, such as hepatocellular carcinoma, cardiovascular disease, or gastrointestinal disease [1] [2].
Targets(IC <sub>50</sub> )	Others,5-HT Receptor
In vitro	5-HT2B antagonist-1 (compound 5g) exhibits sodium channel binding activity with IC <sub>50</sub> values ranging from 12.6 to 57.5 μM [1] and inhibits 5-HT2B receptor activity by less than 50% at 1 μM in CHO-K1 cell lines (compound 1-e) [3].
In vivo	The oral administration of 5-HT2B antagonist-1 (compound 15) at a dosage of 30 mg/kg significantly reduces visceral hypersensitivity in irritable bowel syndrome (IBS) rats [2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3764 mL	16.8822 mL	33.7644 mL
5 mM	0.6753 mL	3.3764 mL	6.7529 mL
10 mM	0.3376 mL	1.6882 mL	3.3764 mL
50 mM	0.0675 mL	0.3376 mL	0.6753 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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