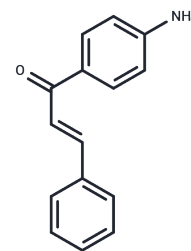


Aminochalcone 4AAF

Chemical Properties

CAS No. :	38239-51-9
Formula:	C ₁₅ H ₁₃ NO
Molecular Weight:	223.27
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	Aminochalcone 4AAF is a neuroprotective agent that exhibits anxiolytic effects through its interaction with GABAA and 5-HT receptors. It shows high selectivity for 5-HT _{3A} and 5-HT _{2C} receptors and modulates allosteric behavior at the 5-HT _{2A} receptor. Aminochalcone 4AAF is known for its hypoglycemic properties and reduces reactive oxygen species (ROS) levels in the liver. It also delays the tonic phase of seizures. This compound is useful in research on anxiety, hyperglycemia, and epilepsy.
Targets(IC50)	5-HT Receptor, GABA Receptor, ROS
In vivo	Aminochalcone 4AAF (20 uL of 0.1-10 mg/mL, oral, single administration) exhibits both anxiolytic and hypoglycemic effects, effectively reversing anxiety and elevated blood glucose levels induced by sucrose in adult zebrafish, as well as delaying the tonic phase of seizures.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4789 mL	22.3944 mL	44.7888 mL
5 mM	0.8958 mL	4.4789 mL	8.9578 mL
10 mM	0.4479 mL	2.2394 mL	4.4789 mL
50 mM	0.0896 mL	0.4479 mL	0.8958 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481