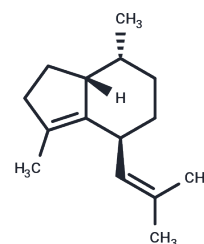


Valerena-4,7(11)-diene

Chemical Properties

CAS No. :	351222-66-7
Formula:	C ₁₅ H ₂₄
Molecular Weight:	204.35
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	Valerena-4,7(11)-diene, a tranquilizer, suppresses stress-induced excitatory behaviors and is administered through olfactory stimulation and pulmonary absorption [1].
In vivo	Valerena-4,7(11)-diene administered via inhalation (30, 300 µg/cage; inhalation method) effectively mitigates stress-induced behavioral alterations and significantly reduces corticosterone levels in the blood to 1.41 ng/mL. It also notably decreases the levels of 5-HT and DA in the brain, as well as the DA turnover rates in the hypothalamus and striatum. The animal model used for this study involved four-week-old male ddY mice.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8936 mL	24.4678 mL	48.9356 mL
5 mM	0.9787 mL	4.8936 mL	9.7871 mL
10 mM	0.4894 mL	2.4468 mL	4.8936 mL
50 mM	0.0979 mL	0.4894 mL	0.9787 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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