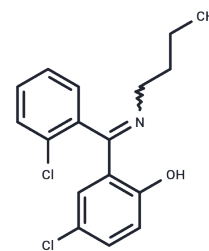


## Fengabine

## Chemical Properties

CAS No. :	80018-06-0
Formula:	C17H17Cl2NO
Molecular Weight:	322.23
Storage:	Pure form: -20°C for 3 years   In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Fengabine (SL-79229) is a GABA receptor agonist with antidepressant activity and is used to treat depression.
Targets(IC50)	GABA Receptor
In vivo	Fengabine (50-1000 mg/kg; i.p.) does not alter norepinephrine uptake but accelerates the turnover rate of norepinephrine in the rat brain as demonstrated by the enhancement of the alpha-methyl-p-tyrosine-induced disappearance of norepinephrine in the hypothalamus.[4]Fengabine (100 or 200 mg/kg; i.p., b.i.d.), given for 14 days, causes a desensitization of isoprenaline-stimulated adenylate cyclase in septal and cortical slices of the rat but fails to modify cortical beta, alpha-1 or alpha-2 adrenoceptor binding sites.[4]

## Solubility Information

Solubility	DMSO: 45 mg/mL (139.65 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1034 mL	15.5169 mL	31.0337 mL
5 mM	0.6207 mL	3.1034 mL	6.2067 mL
10 mM	0.3103 mL	1.5517 mL	3.1034 mL
50 mM	0.0621 mL	0.3103 mL	0.6207 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

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