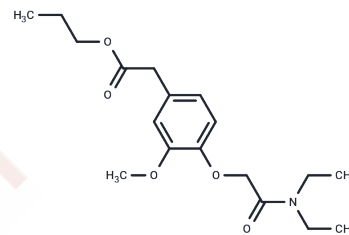


## Propanidid

## Chemical Properties

CAS No. :	1421-14-3
Formula:	C <sub>18</sub> H <sub>27</sub> NO <sub>5</sub>
Molecular Weight:	337.41
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	Propanidid (Sombrevin) is a gamma-aminobutyric acid type A receptor (GABAA) agonist and a fast-acting intravenous anesthetic that lowers arterial blood pressure.
Targets(IC50)	GABA Receptor
In vivo	In adult cats immobilized by D-tubocurarine, Propanidid (3-5 mg/kg; injected into the femoral vein; single dosage) reliably induced a change of $47.6 \pm 5.6$ degrees in the preferred orientation of 60% of neurons in the primary visual cortex, while in the remaining cells, the orientation remained stable throughout all stages of anesthesia[3].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9638 mL	14.8188 mL	29.6375 mL
5 mM	0.5928 mL	2.9638 mL	5.9275 mL
10 mM	0.2964 mL	1.4819 mL	2.9638 mL
50 mM	0.0593 mL	0.2964 mL	0.5928 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

Cenani A, et al. In vitro and in vivo GABAA Receptor Interaction of the Propanidid Metabolite 4-(2-[Diethylamino]-2-Oxoethoxy)-3-Methoxy-Benzeneacetic Acid. *Pharmacology*. 2019;103(1-2):10-16.

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