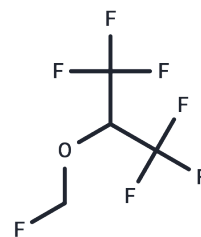


## Sevoflurane

## Chemical Properties

CAS No. :	28523-86-6
Formula:	C <sub>4</sub> H <sub>3</sub> F <sub>7</sub> O
Molecular Weight:	200.05
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	Sevoflurane (Fluoromethyl), a noncompetitive inhibitor of 5-HT <sub>3</sub> receptor, acts as a low-soluble inhalation anesthetics.
Targets(IC <sub>50</sub> )	5-HT Receptor

## Solubility Information

Solubility	DMSO: 250 mg/mL (1249.69 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	4.9988 mL	24.9938 mL	49.9875 mL
5 mM	0.9998 mL	4.9988 mL	9.9975 mL
10 mM	0.4999 mL	2.4994 mL	4.9988 mL
50 mM	0.100 mL	0.4999 mL	0.9998 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

Sakai EM, et al. Pharmacotherapy. 2005 Dec;25(12):1773-88.

Guo L L, Wang Y, Wang H Y, et al.Effects of miR-190a-3p on Sevoflurane-induced postoperative cognitive dysfunction (POCD).Journal of Biochemical and Molecular Toxicology.2023: e23340.

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