

## Padsevonil

## Chemical Properties

CAS No. : 1294000-61-5

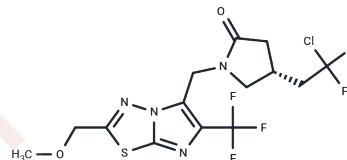
Formula: C<sub>14</sub>H<sub>14</sub>ClF<sub>5</sub>N<sub>4</sub>O<sub>2</sub>S

Molecular Weight: 432.80

Store at low temperature

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	Padsevonil (UCB-0942) is a potential GABA A receptor orthosteric modulator with antiepileptic activity for the treatment of epilepsy.
Targets(IC50)	Others,GABA Receptor

## Solubility Information

Solubility	DMSO: 80 mg/mL (184.84 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (7.62 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3105 mL	11.5527 mL	23.1054 mL
5 mM	0.4621 mL	2.3105 mL	4.6211 mL
10 mM	0.2311 mL	1.1553 mL	2.3105 mL
50 mM	0.0462 mL	0.2311 mL	0.4621 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

Niespodziany I, et al. Functional characterization of the antiepileptic drug candidate, padsevonil, on GABAA receptors. *Epilepsia*. 2020 May;61(5):914-923.

Zaccara G, et al. Antiepileptic Drugs in Clinical Development: Differentiate or Die? *Curr Pharm Des*. 2017;23(37):5593-5605.

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