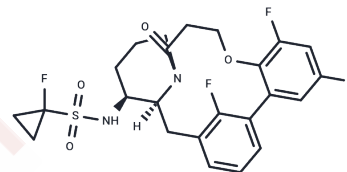


## Clemimorexton

## Chemical Properties

CAS No. :	2980518-93-0
Formula:	C <sub>24</sub> H <sub>24</sub> F <sub>4</sub> N <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	512.52
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	Clemimorexton (Compound 67A) is a highly potent and orally active orexin-2 receptor agonist (OX2R agonist) indicated for the treatment of narcolepsy and other conditions caused by orexin deficiency and/or excessive sleepiness.
Targets(IC50)	OX Receptor
In vivo	Clemimorexton (Compound 67A/Example 47) (1-10 mg/kg, oral, single dose) exhibited significant arousal-promoting activity in a mouse model [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9511 mL	9.7557 mL	19.5114 mL
5 mM	0.3902 mL	1.9511 mL	3.9023 mL
10 mM	0.1951 mL	0.9756 mL	1.9511 mL
50 mM	0.039 mL	0.1951 mL	0.3902 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

Gregory R. Ott, et al., Medium- or macro-cyclic benzyl-substituted heterocycle derivatives and related uses. WO2023167925A1.

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