

URB937

## Chemical Properties

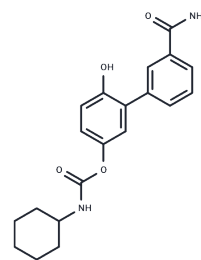
CAS No. : 1357160-72-5

Formula: C<sub>20</sub>H<sub>22</sub>N<sub>2</sub>O<sub>4</sub>

Molecular Weight: 354.4

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	URB937 is an inhibitor of FAAH and increases anandamide levels(IC <sub>50</sub> : 26.8 nM).
Targets(IC <sub>50</sub> )	FAAH
In vivo	URB937 suppressed FAAH activity and increased anandamide levels outside the rodent CNS.

## Solubility Information

Solubility	DMSO: 25 mg/mL (70.54 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: 2 mg/mL (5.64 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	2.8217 mL	14.1084 mL	28.2167 mL
5 mM	0.5643 mL	2.8217 mL	5.6433 mL
10 mM	0.2822 mL	1.4108 mL	2.8217 mL
50 mM	0.0564 mL	0.2822 mL	0.5643 mL

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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

Clapper J R , Moreno-Sanz G , Russo R , et al. Anandamide suppresses pain initiation through a peripheral endocannabinoid mechanism.[J]. Nature Neuroence.

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