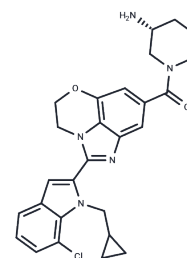


## PAD-IN-2

## Chemical Properties

CAS No. :	2304852-21-7
Formula:	C <sub>27</sub> H <sub>28</sub> ClN <sub>5</sub> O <sub>2</sub>
Molecular Weight:	490
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	PAD-IN-2 is a potent inhibitor of pad4 with an IC <sub>50</sub> value <1 μM and can be used to study autoimmune diseases and cancers such as rheumatoid arthritis, vasculitis, systemic lupus erythematosus, cutaneous lupus erythematosus, cystic fibrosis, ulcerative colitis, asthma, multiple sclerosis, and psoriasis.
Targets(IC <sub>50</sub> )	PAD
In vitro	PAD-IN-2 (Example-57, 1 h) inhibits PAD4 activity with an IC <sub>50</sub> value <1 μM (determined by ammonia release biochemical assay).

## Solubility Information

Solubility	DMSO: 56 mg/mL (114.29 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	2.0408 mL	10.2041 mL	20.4082 mL
5 mM	0.4082 mL	2.0408 mL	4.0816 mL
10 mM	0.2041 mL	1.0204 mL	2.0408 mL
50 mM	0.0408 mL	0.2041 mL	0.4082 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481