

RUC-1

## Chemical Properties

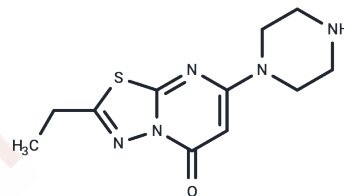
CAS No. : 796886-30-1

Formula: C<sub>11</sub>H<sub>15</sub>N<sub>5</sub>O<sub>5</sub>

Molecular Weight: 265.33

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	RUC-1 is an $\alpha$ IIb $\beta$ 3-selective ADP-induced platelet aggregation inhibitor.
Targets(IC50)	Others,Integrin

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7689 mL	18.8445 mL	37.6889 mL
5 mM	0.7538 mL	3.7689 mL	7.5378 mL
10 mM	0.3769 mL	1.8844 mL	3.7689 mL
50 mM	0.0754 mL	0.3769 mL	0.7538 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

- Negri A, Li J, Naini S, Collier BS, Filizola M. Structure-based virtual screening of small-molecule antagonists of platelet integrin  $\alpha\text{IIb}\beta\text{3}$  that do not prime the receptor to bind ligand. *J Comput Aided Mol Des*. 2012 Sep;26(9):1005-15. doi: 10.1007/s10822-012-9594-6. Epub 2012 Aug 15. PubMed PMID: 22893377; PubMed Central PMCID: PMC3496400.
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- Blue R, Kowalska MA, Hirsch J, Murcia M, Janczak CA, Harrington A, Jirouskova M, Li J, Fuentes R, Thornton MA, Filizola M, Poncz M, Collier BS. Structural and therapeutic insights from the species specificity and in vivo antithrombotic activity of a novel  $\alpha\text{IIb}\beta\text{3}$ -specific  $\alpha\text{IIb}\beta\text{3}$  antagonist. *Blood*. 2009 Jul 2;114(1):195-201. doi: 10.1182/blood-2008-08-169243. Epub 2009 May 4. PubMed PMID: 19414864; PubMed Central PMCID: PMC2710948.

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