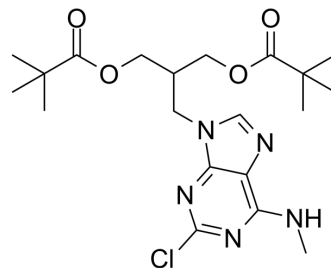


## MRS2395

Cat. No.:	HY-136501
CAS No.:	491611-55-3
Molecular Formula:	C <sub>20</sub> H <sub>30</sub> ClN <sub>5</sub> O <sub>4</sub>
Molecular Weight:	439.94
Target:	P2Y Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

MRS2395, an dipivaloyl derivative, is a potent P2Y<sub>12</sub> receptor antagonist. MRS2395 inhibits ADP-induced platelet activation with a K<sub>i</sub> of 3.6 μM. MRS2395 inhibits cAMP induced by ADP in rat platelets in the presence of PGE<sub>1</sub> with an IC<sub>50</sub> of 7 μM. MRS2395 enhances platelet dense granule release in response to TRAP-6<sup>[1][2]</sup>.

## REFERENCES

[1]. Bin Xu, et al. Acyclic analogues of adenosine bisphosphates as P2Y receptor antagonists: phosphate substitution leads to multiple pathways of inhibition of platelet aggregation. *J Med Chem.* 2002 Dec 19;45(26):5694-709.

[2]. Annachiara Mitrugno, et al. Potentiation of TRAP-6-induced platelet dense granule release by blockade of P2Y<sub>12</sub> signaling with MRS2395. *Platelets.* 2018 Jun;29(4):383-394.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA