

Product Data Sheet

Product Name: MRS 2395

Cat. No.: GF07355

Chemical Properties

Cas. No. 491611-55-3

Formula C₂₀H₃₀ClN₅O₄

M.Wt 439.94

Solubility

Storage Store at RT

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

MRS2395, an dipivaloyl derivative, is a potent P2Y₁₂ receptor antagonist. MRS2395 inhibits ADP-induced platelet activation with a K_i of 3.6 μM. MRS2395 inhibits cAMP induced by ADP in rat platelets in the presence of PGE₁ with an IC₅₀ of 7 μM. MRS2395 enhances platelet dense granule release in response to TRAP-6.

[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.

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

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[2]. Annachiara Mitrugno, et al. Potentiation of TRAP-6-induced platelet dense granule release by blockade of P2Y₁₂ signaling with MRS2395. Platelets. 2018 Jun;29(4):383-394.

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