

Product Data Sheet

Product Name: PSB-10211

Cat. No.: GC79536

Chemical Properties

Cas. No. 66295-57-6

Formula $C_{23}H_{13}Cl_2N_6NaO_5S$

M.Wt 579.35

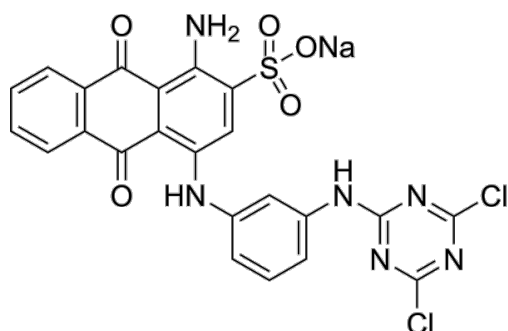
Solubility

Storage Store at -20°C

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

PSB-10211 is a P2X2 receptor antagonist with an IC₅₀ of 0.086 μM against rat P2X2 receptors. PSB-10211 inhibits ATP-mediated currents of rat P2X2 receptors expressed in *Xenopus* oocytes. PSB-10211 can be used in studies related to pain and urinary incontinence [1].

In Vitro, PSB-10211 inhibits human P2Y2 receptor-mediated calcium mobilization with an IC₅₀ of 24.3 μM, shows inhibitory activity with an IC₅₀ of ~10 μM at human P2Y4 receptors, and shows inhibitory activity at concentrations >10 μM at rat P2Y6 receptors [1].

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

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References:

[1]. Baqi Y, et al. Discovery of potent competitive antagonists and positive modulators of the P2X2 receptor. J Med Chem. 2011;54(3):817-830.

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