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**Product Data Sheet**

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Product Name: PAC1R antagonist 1

Cat. No.: GC69649

**Chemical Properties**

Cas. No. 2305204-24-2

Formula  $C_{17}H_{17}ClN_6O_2$ 

M.Wt 372.81

Solubility DMSO : 33.33 mg/mL (89.40 mM; ultrasonic and warming and heat to 160°C)

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**

PAC1R antagonist 1 (compound 3d) is a potent and orally active antagonist of **PAC1 receptor**. PAC1R antagonist 1 can inhibit pituitary adenylate cyclase-activating polypeptide (PACAP)- and nerve injury-induced allodynia<sup>[1]</sup>.

[1]. Takasaki I, et, al. Synthesis of a novel and potent small-molecule antagonist of PAC1 receptor for the treatment of neuropathic pain. Eur J Med Chem. 2020 Jan 15;186:111902.

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

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