

Product Data Sheet

Product Name: PK-THPP

Cat. No.: GC50147

Chemical Properties

Cas. No. 1332454-07-5

SMILES O=C(C1=CC=C(C2=CC=CC=C2)C=C1)N(C3)CCC4=C3C(N5CCC(C(CCC)=O)CC5)=NC=N4

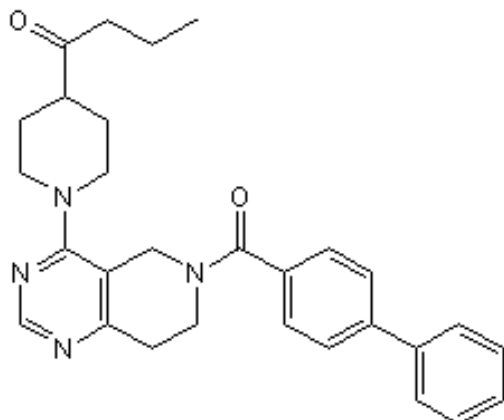
Formula C₂₉H₃₂N₄O₂ M.Wt 468.59

Solubility Soluble in DMSO 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

Potent TASK-3 channel blocker (IC₅₀ = 35 and 300 nM for TASK-3 and TASK-1 respectively). Increases breathing rate and induces respiratory alkalosis in rats.

Cotten (2013) TASK-1 (KCNK3) and TASK-3 (KCNK9) tandem pore potassium channel antagonists stimulate breathing in isoflurane-anesthetized rats. *Anesth. Analg.* 116 810 PMID:23460565 | Coburn et al (2012) Discovery of a pharmacologically active antagonist of the two-pore-domain potassium channel K2P9.1 (TASK-3). *ChemMedChem* 7 123 PMID:21916012

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

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