
Product Data Sheet

Product Name: ACT 462206

Cat. No.: GC50142

Chemical Properties

Cas. No. 1361321-96-1

SMILES CC1=CC(NC([C@@H]2CCCN2S(C3=CC=C(OC)C=C3)(=O)=O)=O)=CC(C)=C1

Formula C₂₀H₂₄N₂O₄S M.Wt 388.48

Solubility DMSO : ≥ 100 mg/mL (257.41 mM) 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, dual orexin receptor antagonist (IC₅₀ values are 11 and 60 nM for OX2 and OX1 receptors respectively). Exhibits anxiolytic-like properties in vivo. Brain penetrant.

Boss et al (2014) Structure-activity relationship, biological, and pharmacological characterization of the proline sulfonamide ACT-462206: a potent, brain-penetrant dual orexin 1/orexin 2 receptor antagonist. ChemMedChem. 9 2486 PMID:25147058

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

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