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## Product Data Sheet

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Product Name: VU 0469650 hydrochloride

Cat. No.: GC50154

### Chemical Properties

Cas. No. 1443748-47-7

SMILES O=C(N4CCN(C5=C(C#N)N=CC=C5)C[C@H]4C)C12CC(C3)CC(CC3C2)C1.Cl

Formula C22H28N4O.HCl M.Wt 400.94

Solubility DMSO: 100 mM, Ethanol: 50 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 sizes: ship with RT, or blue ice upon request.

Structure

### Background

Potent and selective negative allosteric modulator of mGlu1 (IC<sub>50</sub> = 99 nM). Exhibits >100-fold selectivity for mGlu1 over mGlu2-8 and 68 other GPCRs, ion channels, kinases and transporters. Brain penetrant.

Lovell et al (2013) N-Acyl-N'-arylpiperazines as negative allosteric modulators of mGlu1: Identification of VU0469650, a potent and selective tool compound with CNS exposure in rats. *Bioorg.Med.Chem.Lett.* 23 3713 PMID:23727046

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

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