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**Product Data Sheet**

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Product Name: VU 0409106

Cat. No.: GC50144

**Chemical Properties**

Cas. No. 1276617-62-9

SMILES FC1=CC(OC2=CN=CN=C2)=CC(C(NC3=NC(C)=CS3)=O)=C1Formula C<sub>15</sub>H<sub>11</sub>FN<sub>4</sub>O<sub>2</sub>S M.Wt 330.34

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 and selective mGlu5 negative allosteric modulator (IC<sub>50</sub> = 49 nM at human mGlu5). Selective for mGlu5 over a panel of GPCRs and ion channels. Exhibits no significant nonspecific binding in rat brain homogenates in vitro. Inhibits marble burying behavior in mice. Brain penetrant.

Felts et al (2013) Discovery of VU0409106: A negative allosteric modulator of mGlu5 with activity in a mouse model of anxiety. *Bioorg.Med.Chem.Lett.* 23 5779  
PMID:24074843

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

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