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**Product Data Sheet**

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Product Name: VU6005806

Cat. No.: GC37932

**Chemical Properties**

Cas. No. 2180914-37-6

SMILES NC1=C(C(NC2CN(C3=NC=C(C(F)(F)F)C=N3)C2)=O)SC4=NN=C(OC)C(C)=C41Formula C<sub>17</sub>H<sub>16</sub>F<sub>3</sub>N<sub>7</sub>O<sub>2</sub>S M.Wt 439.41

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**

VU6005806 (AZN-00016130) is a potent muscarinic acetylcholine receptor subtype 4 (M4) positive allosteric modulator (PAM), with EC<sub>50</sub>s of 94 nM, 28 nM, 87 nM and 68 nM for human, rat, dog and cyno M4, respectively. Used in the research of neuropsychiatric disorders[1]. IC<sub>50</sub>: 94 nM (Human M4), 28 nM (Rat M4), 87 nM (Dog M4), 68 nM (Cyno M4)[1]

[1]. Engers DW, et al. VU6005806/AZN-00016130, an advanced M4 positive allosteric modulator (PAM) profiled as a potential preclinical development candidate. *Bioorg Med Chem Lett.* 2019 Jul 15;29(14):1714-1718.

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

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