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**Product Data Sheet**

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Product Name: VU0238441

Cat. No.: GC61378

**Chemical Properties**

Cas. No. 85511-68-8

SMILES O=C1N(CC2=CC=C(C(F)(F)F)C=C2)C3=C(C=CC=C3Cl)C1=OFormula  $C_{16}H_9ClF_3NO_2$ 

M.Wt 339.7

Solubility DMSO: 125 mg/mL (367.97 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**

VU0238441 is a pan muscarinic acetylcholine receptor (mAChR) positive allosteric modulator (PAM) with EC50 of 2.1  $\mu$ M, 2.2  $\mu$ M, 2.8  $\mu$ M, 3.2  $\mu$ M and >10  $\mu$ M for M5, M3, M2, M1 and M4, respectively.

[1] Thomas M Bridges, et al. Bioorg Med Chem Lett. 2010 Jan 15;20(2):558-62.

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

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