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**Product Data Sheet**

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Product Name: Selective PI3K $\delta$  Inhibitor 1 (compound 7n)

Cat. No.: GC25913

**Chemical Properties**

Cas. No. 2088525-31-7

Formula C<sub>23</sub>H<sub>20</sub>FN<sub>7</sub>O

M.Wt 429.45

Solubility DMSO: 43 mg/mL (100.13 mM); Water: Insoluble; Ethanol: Insoluble  
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**

Selective PI3K $\delta$  Inhibitor 1 (compound 7n) is an inhibitor of PI3K $\delta$  with an IC<sub>50</sub> of 0.9 nM and >1000-fold selectivity against other class I PI3K isoforms [PI3K  $\alpha/\gamma/\beta$ =3670/1460/21300 nM].

The compound shows reasonable pharmacokinetics with good bioavailability and moderate in vivo half-life. In rats, the oral bioavailability (F%) is 41, the V<sub>ss</sub>, T<sub>1/2</sub> and CL are 2.8 L/kg, 3.4 h and 12 mL/min/kg respectively after IV administration[1].

[1] Terstiege I, et al. Bioorg Med Chem Lett. 2017, 27(3):679-687.

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

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