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**Product Data Sheet**

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Product Name: FAAH-IN-1

Cat. No.: GC30751

**Chemical Properties**

Cas. No. 1242441-47-9

SMILES C1C=CN=C(SC2=C(C3=CC=C([C@H]4C[C@@H]4C(N(C)C)=O)C=C3)N=CN2)C=C1Formula C<sub>20</sub>H<sub>19</sub>ClN<sub>4</sub>OS M.Wt 398.91

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**

FAAH-IN-1 is a fatty acid amide hydrolase (FAAH) inhibitor, with IC<sub>50</sub>s of 145 nM and 650 nM for rat and human FAAH, respectively.

FAAH-IN-1 (Compound 8) is a fatty acid amide hydrolase (FAAH) inhibitor, with IC<sub>50</sub>s of 145 nM and 650 nM for rat and human FAAH, respectively[1].

[1]. Liu P, et al. Discovery of MK-3168: A PET Tracer for Imaging Brain Fatty Acid Amide Hydrolase. ACS Med Chem Lett. 2013 Apr 20;4(6):509-13.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA