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**Product Data Sheet**

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Product Name: AMG 21629

Cat. No.: GC50058

**Chemical Properties**

Cas. No. 939040-79-6

SMILES NC(C(N4)=O)=NC(C4=CC=C3)=C3OC1=CC(C2=CC=C(C(F)(F)F)C=C2)=NC(NCCOC)=N1Formula C<sub>22</sub>H<sub>19</sub>F<sub>3</sub>N<sub>6</sub>O<sub>3</sub> M.Wt 472.42

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 TRPV1 antagonist. Blocks Ca<sup>2+</sup> uptake by CHO cells expressing TRPV1 receptors and acid-induced Ca<sup>2+</sup> uptake, respectively). Exhibits >4000-fold selectivity for TRPV1 over other TRP channels. Blocks capsaicin-induced flinch response and causes hyperthermia in rats. Orally available and non-CNS penetrant.

Tamayo et al (2008) Design and synthesis of peripherally restricted transient receptor potential vanilloid 1 (TRPV1) antagonists. J.Med.Chem. 51 2744 PMID:18386885 |Gavva et al (2007) The vanilloid receptor TRPV1 is tonically activated in vivo and involved in body temperature regulation. J.Neurosci. 27 3366 PMID:17392452

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

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