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**Product Data Sheet**

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Product Name: Tilapertin (AMG747)

Cat. No.: GC31115

**Chemical Properties**

Cas. No. 1000690-85-6

SMILES O=C(O)CN1CCN([C@H](C2=CC=CC=C2)C3=CC=CC(C(F)(F)F)=C3)CC1Formula  $C_{20}H_{21}F_3N_2O_2$  M.Wt 378.39

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**

Tilapertin is an oral inhibitor of glycine transporter type-1 (GlyT1).

Tilapertin is a nanomolar potent, orally bioavailable and selective GlyT1 inhibitor. Oral administration of Tilapertin dose-dependently increases cerebrospinal fluid (CSF) glycine concentration in rats[1].

[1]. Dunayevich E, et al. Efficacy and safety of the glycine transporter type-1 inhibitor AMG 747 for the treatment of negative symptoms associated with schizophrenia. Schizophr Res. 2017 Apr;182:90-97.

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

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