

---

**Product Data Sheet**

---

Product Name: Anticonvulsant agent 1

Cat. No.: GC33745

**Chemical Properties**

Cas. No. 357336-17-5

SMILES O=C(N)C(CC)N1C(CC(/C=C(F)\F)C1)=OFormula  $C_{10}H_{14}F_2N_2O_2$  M.Wt 232.23

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**

Anticonvulsant agent 1 is an anticonvulsant agent extracted from patent WO2001062726A2, Compound 156.

The inhibition constant ( $K_i$ ) of Anticonvulsant agent 1 (Compound 156) is determined in competitive binding experiments by measuring the binding of a single concentration of a radioactive ligand at equilibrium with various concentrations of the unlabeled test substance. The concentration of the test substance inhibiting 50 % of the specific binding of the radioligand is called the  $IC_{50}$ . The equilibrium dissociation constant  $K_i$  is proportional to the  $IC_{50}$  and is calculated. Anticonvulsant agent 1 shows  $pK_i$  values of 6.0 and greater[1]

[1]. Differding, Edmond, et al. 2-OXO-1-PYRROLIDINE DERIVATIVES, PROCESSES FOR PREPARING THEM AND THEIR USES. WO2001062726A2

**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