

---

**Product Data Sheet**

---

Product Name: CAY10471

Cat. No.: GC18811

**Chemical Properties**

Cas. No. 627865-18-3

Chemical Name (+)-3-[[[4-fluorophenyl)sulfonyl]methylamino]-1,2,3,4-tetrahydro-9H-carbazole-9-acetic acid

SMILES CN(S(C1=CC=C(F)C=C1)(=O)=O)C(CC2)CC3=C2N(CC(O)=O)C4=CC=CC=C43Formula  $C_{21}H_{21}FN_2O_4S$  M.Wt 416.5

Solubility DMSO : 150 mg/mL (360.17 mM) 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**

The biological effects of prostaglandin D2 are transduced by at least two 7-transmembrane G-protein coupled receptors, designated DP1 and CRTH2/DP2. BAY-u3405 (Ramatroban) is an approved human medication for the treatment of allergic rhinitis that has documented activity as an antagonist of both the TP and CRTH2/DP2 receptors. CAY10471 is an analog of BAY-u3405 which contains modifications that increase both its potency and selectivity for the human CRTH2/DP2 receptor. CAY10471 binds to the human CRTH2/DP2, DP1, and TP receptors with  $K_i$  values of 0.6, 1200, and >10,000 nM, respectively.

**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