
Product Data Sheet

Product Name: IDO/TDO-IN-1

Cat. No.: GC36294

Chemical Properties

Cas. No. 2033173-01-0

SMILES CN1N=CC(C2=CC=C(N3CCC([C@@H](C4=C5C=CC=C4F)N6C5=CN=C6)CC3)C=C2)=C1Formula C₂₅H₂₄FN₅ M.Wt 413.49

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**

IDO/TDO-IN-1 (compound 25) is a highly potent and orally active dual indoleamine-2,3-dioxygenase (IDO) and tryptophan 2,3-dioxygenase (TDO) inhibitor with IC₅₀s of 9.7 and 47 nM, respectively [1]. IC₅₀: 9.7 nM (Indoleamine-2,3-dioxygenase), 47 nM (Tryptophan 2,3-dioxygenase)[1]

IDO/TDO-IN-1 inhibits IDO in the Hela cell line with an IC₅₀ of 76 nM[1].

[1]. Tu W, et al. Discovery of Imidazoisindole Derivatives as Highly Potent and Orally Active Indoleamine-2,3-dioxygenase Inhibitors. ACS Med Chem Lett. 2019 Jun 3;10(6):949-953.

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
