

---

## Product Data Sheet

---

Product Name: BLK-IN-2  
Cat. No.: GC68373

### Chemical Properties

Cas. No. 2694871-86-6

Formula  $C_{39}H_{41}N_9O_3$  M.Wt 683.8

Solubility DMSO : 125 mg/mL (182.80 mM; Need ultrasonic) 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

IC<sub>50</sub>: 5.9 nM (BLK)<sup>[1]</sup>, 202.0 nM (BTK)<sup>[1]</sup>

BLK-IN-2 (compound 25) is a potent and selective irreversible inhibitor of **B-Lymphoid tyrosine kinase (BLK)**, with an **IC<sub>50</sub>** of 5.9 nM. BLK-IN-2 also inhibits **Btk (IC<sub>50</sub>=202.0 nM)**. BLK-IN-2 shows potent antiproliferative activities against several lymphoma cells<sup>[1]</sup>.

[1]. Fu T, et, al. Discovery of selective irreversible inhibitors of B-Lymphoid tyrosine kinase (BLK). Eur J Med Chem. 2022 Feb 5;229:114051.

**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