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## Product Data Sheet

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Product Name: PROTAC HSP90 degrader BP3

Cat. No.: GC64825

### Chemical Properties

Cas. No. 2669072-88-0

Formula C<sub>32</sub>H<sub>29</sub>CIN<sub>8</sub>O<sub>5</sub>

M.Wt

641.08

Solubility

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

PROTAC HSP90 degrader BP3 is a potent and selective degradation of HSP90 in a CRBN-dependent fashion. PROTAC HSP90 degrader BP3 has a certain certain degradation effect on HSP90 protein in MCF-7 cells (DC<sub>50</sub>=0.99 μM). PROTAC HSP90 degrader BP3 inhibits the growth of breast cancer cell[1].

PROTAC HSP90 degrader BP3 (compound 16b) (72 h) inhibits the growth of breast cancer cells (IC<sub>50</sub>=0.63 μM in MCF-7 cells, IC<sub>50</sub>=3.53 μM in MDA-MB-231 cells, IC<sub>50</sub>=0.61 μM in 4T1 cells, IC<sub>50</sub>=2.95 μM in MDA-MB-468 cells)[1]. PROTAC HSP90 degrader BP3 (2 μM; 6 h) shows degradation activity in the MCF-7 cells (DC<sub>50</sub>=0.99 μM) [1].

PROTAC HSP90 degrader BP3 (40 mg/kg; i.p., daily for 12 days) inhibits tumor growth and the tumor inhibition rate is 76.41%[1].

[1]. Liu Q, et al. Discovery of BP3 as an efficacious proteolysis targeting chimera (PROTAC) degrader of HSP90 for treating breast cancer. Eur J Med Chem. 2022, 228:114013.

**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