

Product Data Sheet

Product Name: Tz-Thalidomide

Cat. No.: GC72765

Chemical Properties

Cas. No. 2087490-42-2

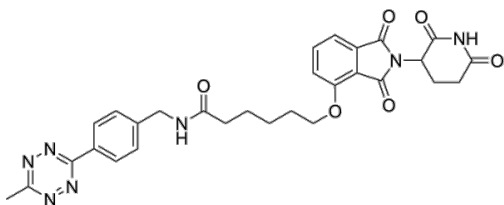
Formula $C_{29}H_{29}N_7O_6$ M.Wt 571.58

Solubility DMSO : 50 mg/mL (87.48 mM; Need ultrasonic) Storage -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

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

Product Data Sheet

Tz-Thalidomide is a tetrazine tagged Thalidomide (Ligands for E3 Ligase). Tz-Thalidomide has binding affinity for BRD4, with IC50s of 46.25 μ M (BRD4-1) and 62.55 μ M (BRD4-2). Tz-Thalidomide is a click chemistry reagent, it contains a Tetrazine group that can undergo an inverse electron demand Diels-Alder reaction (iEDDA) with molecules containing TCO groups.

References:

[1]. Lebraud H, et al. Protein Degradation by In-Cell Self-Assembly of Proteolysis Targeting Chimeras. ACS Cent Sci. 2016 Dec 28;2(12):927-934.

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