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**Product Data Sheet**

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Product Name: E3 Ligase Ligand-Linker Conjugates 19

Cat. No.: GC33129

**Chemical Properties**

Cas. No. 1799711-24-2

SMILES NCCCCNC(COC1=C(C(N2C(CCC3=O)C(N3)=O)=O)C(C2=O)=CC=C1)=OFormula  $C_{19}H_{22}N_4O_6$  M.Wt 402.4

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**

E3 ligand-linker conjugate 3 is a building block in the synthesis of proteolysis-targeting chimera (PROTAC) technologies containing thalidomide , which is a ligand for the E3 ubiquitin ligase cereblon.<sup>1,2</sup> It has been used in the synthesis of PROTACs for the degradation of several proteins, including anaplastic lymphoma kinase (ALK) and the bromodomain and extra terminal domain (BET) family of proteins, with anticancer activity.

1. Yan, G., Zhong, X., Yue, L., et al. Discovery of a PROTAC targeting ALK with in vivo activity. *Eur. J. Med. Chem.* 212(1)113150(2021) 2. Zhou, B., Hu, J., Xu, F., et al. Discovery of a small-molecule degrader of bromodomain and extra-terminal (BET) proteins with picomolar cellular potencies and capable of achieving tumor regression. *J. Med. Chem.* 61(2)462-481(2018)

**Caution: Product has not been fully validated for medical applications. For research use only.**

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