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## Product Data Sheet

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Product Name: Thalidomide-O-amido-C8-NH2 hydrochloride

Cat. No.: GC67499

### Chemical Properties

Cas. No. 2415263-07-7

Formula  $C_{23}H_{31}ClN_4O_6$  M.Wt 494.97

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

Thalidomide-O-amido-C8-NH2 hydrochloride, a synthesized E3 ligase ligand-linker conjugate that incorporates the Thalidomide based cereblon ligand and a linker, can be used in the synthesis of PROTACs<sup>[1]</sup>.

Thalidomide-O-amido-C8-NH2 is a degron-linker (refer to Compound DL7-TL). The PROTAC linker is bound to at least one targeting ligand. Degron-linker-targeting ligand, wherein the linker is covalently bound to at least one degron and at least one targeting ligand, the degron is a compound capable of binding to an ubiquitin ligase such as an E3 ubiquitin ligase (e.g., cereblon), and the targeting ligand is capable of binding to the targeted protein(s)<sup>[1]</sup>.

[1]. James Bradner, et al. Methods to induce targeted protein degradation through bifunctional molecules. WO 2017024317 A2.

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

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