

## Thalidomide-O-PEG2-amine

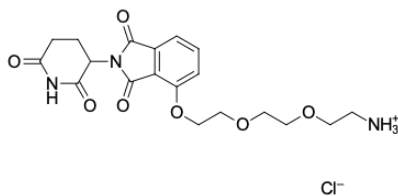
<http://cn.lumiprobe.com/p/thalidomide-o-peg2-amine>

Thalidomide-containing building block with PEG2-linker and amino group, which can be conjugated to other functionalized linkers and target protein ligands.

The amino group is highly reactive and can undergo reactions with carboxylic acids, activated esters (NHS, STP, etc.), carbonyls (such as ketones and aldehydes), and more.

Proteolysis targeting chimeras (PROTACs) are cell-permeable heterobifunctional molecules that can remove specific proteins from the cell. One end of such molecule contains a ligand to bind to the target, and the second end recruits the E3 ligase complex. Close proximity results in substrate polyubiquitination and subsequent protein degradation by cellular proteasome.

There are several types of E3 ligases that are practically suitable for such a purpose. Thalidomide is the ligand capable of recruiting Cereblon (CRBN) E3 ligase.



外观: 白色结晶固体

分子

量: 441.86

分子

量:

CAS 1957236-10-0 (hydrochloride)

编号:

分子

式: C<sub>19</sub>H<sub>24</sub>ClN<sub>3</sub>O<sub>7</sub>

溶解

度:

质量

控制:

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化妆品等领域的安全性和效力测试, 且未经明示或暗示授权用于其他任何用途, 包括但不限于体外诊断、人类或动物用途, 以及商业用途。