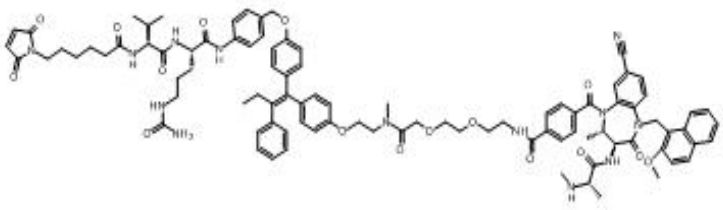
PROTAK™ PAC

E31P34151

Catalog Number: E31P34151-1, E31P34151-2
Product Name: PROTAK™ PAC
Amount: 5mg,10mg
CAS No.: 2158322-33-7
Molecular Structure:



Purity: >98.00%
Formula: $C_{94}H_{107}N_{13}O_{16}$
M.W.: 1674.93
Solubility: Soluble in DMSO
Storage/Stability: Store at -20° C
Background: PAC comprises an antibody conjugated via a linker to a PROTAC. PAC extracts from patent WO2017201449A1, compound PAC1. PAC is a more marked estrogen receptor-alpha (ERα) degrader compared to PROTAC (without Ab).Treatment of HER2 expressing cells with HER2 antibody containing PAC Anti-HER2(Endox-XIAP) results in a marked decreased Estrogen Receptor-alpha (ERα) levels with an IC50 of 132 ng/mL. The PROTAC-Antibody Conjugate (PAC) molecules comprise an antibody conjugated via a linker (L1) to a PROTAC, wherein the PROTAC comprises an ubiquitin E3 ligase binding group ("E3LB"), a linker ("L2") and a protein binding group ("PB"). The following sections describe the components that comprise the PAC. To obtain a PAC having potent efficacy and a desirable therapeutic index, the following components are provided. 1. Antibody (Ab): The antibody portion of a PAC can target a cell that expresses an antigen whereby the antigen specific PAC is delivered intracellularly to the target cell, typically through endocytosis While PACs that comprise an antibody directed to an antigen that is not found on the cell surface may result in less specific intracellular delivery of the PROTAC portion into the cell, the PAC may still undergo pinocytosis.

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