

Product Data Sheet

Product Name: dBET57
Cat. No.: GC35815

Chemical Properties

Cas. No. 1883863-52-2

SMILES O=C(NCCNC1=CC=CC(C(N2C(CC3)C(NC3=O)=O)=O)=O)=C1C2=O)C[C@H]4C5=NN=C(C)N5C6=C(C(C)=C(C)S6)C(C7=CC=C(Cl)C=C7)=N4

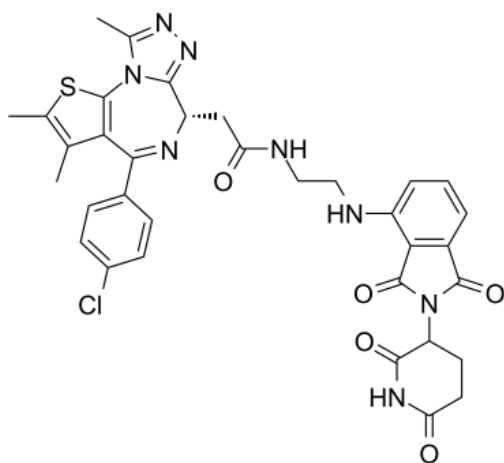
Formula $C_{34}H_{31}ClN_8O_5S$ M.Wt 699.18

Solubility DMSO: 250 mg/mL (357.56 mM) Storage 4°C, protect from light

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

dBET57 is a potent and selective degrader of BRD4BD1 based on the PROTAC technology. dBET57 mediates recruitment to the CRL4CRBN E3 ubiquitin ligase, with a DC50/5h of 500 nM for BRD4BD1, and is inactive on BRD4BD2[1]. BRD4 (BD1)|500 nM (DC50)

[1]. Nowak RP, et al. Plasticity in binding confers selectivity in ligand-induced protein degradation. Nat Chem Biol. 2018 Jul;14(7):706-714.

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

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