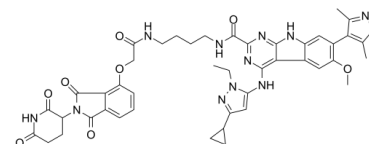


Data Sheet

| | |
|---------------------------|----------------------------------|
| Product Name: | PROTAC BET Degrader-1 |
| Cat. No.: | CS-0028483 |
| CAS No.: | 2093386-22-0 |
| Molecular Formula: | C44H45N11O9 |
| Molecular Weight: | 871.90 |
| Target: | Epigenetic Reader Domain; PROTAC |
| Pathway: | Epigenetics; PROTAC |
| Solubility: | DMSO : ≥ 50 mg/mL (57.35 mM) |



BIOLOGICAL ACTIVITY:

PROTAC BET Degrader-1 is a potent **BET** degrader based on **PROTAC**, decreasing BRD2, BRD3, and BRD4 protein levels at low concentration. IC₅₀ & Target: BET^[1] **In Vitro:** PROTAC BET Degrader-1 (Compound 9) is a potent BET degrader based on PROTAC, decreases the level of BRD2, BRD3, and BRD4 proteins in RS4;11 cells at 3-10 nM, and inhibits the growth of this cell line with an IC₅₀ of 4.3 nM, and 45.5 nM for MOLM-13 cells^[1].

References:

[1]. Zhou B, 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.* 2018 Jan 25;61(2):462-481.

CAIndexNames:

9H-Pyrimido[4,5-b]indole-2-carboxamide, 4-[(3-cyclopropyl-1-ethyl-1H-pyrazol-5-yl)amino]-7-(3,5-dimethyl-4-isoxazolyl)-N-[4-[[[2-(2,6-dioxo-3-piperidinyl)-2,3-dihydro-1,3-dioxo-1H-isoindol-4-yl]oxy]acetyl]amino]butyl]-6-methoxy-

SMILES:

CCN1C(NC2=C3C4=CC(OC)=C(C(C(C)=NO5)=C5C)C=C4NC3=NC(C(NCCCCNC(COC6=C(C(N7C(CCC8=O)C(N8)=O)=O)C(C7=O)=CC=C6)=O)=O)=N2)=CC(C9CC9)=N1

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

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA