

Product Datasheet

BMS-986397

Catalog No. **BP-00104** · CAS **2564486-44-6** · Form **free base** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-09-04**

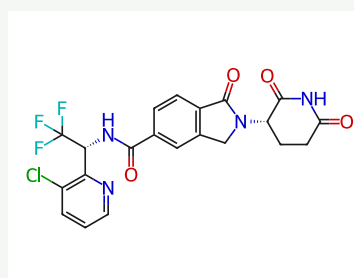
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Target Molecular Glues; Ligands for E3 Ligase; Casein Kinase; Apoptosis; MDM-2/p53	Research area Inflammation/Immunology; Cancer
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Molecular formula **C₂₁H₁₆ClF₃N₄O₄**

Molecular weight **480.8240**

STRUCTURE



DESCRIPTION

BMS-986397 is a first-in-class molecular glue degrader of Casein Kinase 1α (CK1α).

BIOLOGICAL ACTIVITY

In Vitro

BMS-986397 demonstrates significant anti-proliferative activity in TP53 wild-type AML cell lines via potent and selective degradation of CK1α. Degradation of CK1α leads to stabilization of p53 protein and upregulation of its downstream transcriptional targets, including p21, PUMA and BAX, thereby inducing cell cycle arrest and acute apoptosis in AML cells.

SOLUBILITY

Soluble in DMSO

In vitro DMSO : 100 mg/mL

REFERENCES

- [1]. Fuchs O. Targeting cereblon in hematologic malignancies. Blood Rev. 2023 Jan;57:100994. doi: 10.1016/j.blre.2022.100994. Epub 2022 Jul 31. PMID: 35933246.
- [2]. Jimenez C, et al. Blood, 2024, 144: 1395.
- [3]. <https://acs.digitellinc.com/p/s/discovery-of-bms-986397-a-first-in-class-molecular-glue-degrader-of-casein-kinase-1a-ck1a-for-the-treatment-of-acute-myeloid-leukemia-aml-harboring-functional-tp53-605249>

Lot CoA and SDS are separate documents.