

Product Datasheet

SLF Exclusive

Catalog No. **BP-00006** · CAS **195513-96-3** · Form **free base** · Physical state **oil** · Color **Colorless to light yellow** · Version **1.0** · Revision **2026-09-14**

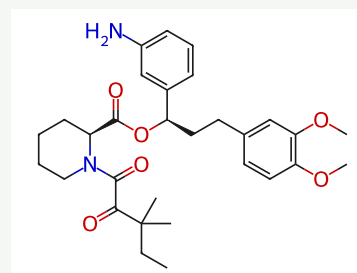
FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY USE.

Target Ligands for Target Protein for PROTAC; FKBP	Research area Cancer
--	--------------------------------

Molecular formula **C₃₀H₄₀N₂O₆**

Molecular weight **524.6484**

STRUCTURE



DESCRIPTION

SLF is a synthetic ligand for FK506-binding protein (FKBP) with an affinity of 3.1 μM for FKBP51 and an IC₅₀ of 2.6 μM for FKBP12. SLF can be used in the synthesis of PROTAC.

BIOLOGICAL ACTIVITY

In Vitro

Three scout fragments-KB02, KB03, and KB05 are fused, which cover two different electrophile groups (chloroacetamide and acrylamide) and display broad cysteine reactivity in the human proteome-to the SLF ligand that binds tightly and selectively to FKBP12, a cytosolic prolyl isomerase that has been frequently used to study ligand-induced protein degradation

SOLUBILITY

Soluble in DMSO

In vitro DMSO : 100 mg/mL

REFERENCES

- [1]. Kolos JM, et al. FKBP Ligands-Where We Are and Where to Go? Front Pharmacol. 2018 Dec 5;9:1425.
- [2]. Wu X, et al. Creating diverse target-binding surfaces on FKBP12: synthesis and evaluation of a rapamycin analogue library. ACS Comb Sci. 2011 Sep 12;13(5):486-95.
- [3]. Zhang X, et al. Electrophilic PROTACs that degrade nuclear proteins by engaging DCAF16. Nat Chem Biol. 2019 Jul;15(7):737-746.

Lot CoA and SDS are separate documents.