



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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# PRODUCT INFORMATION

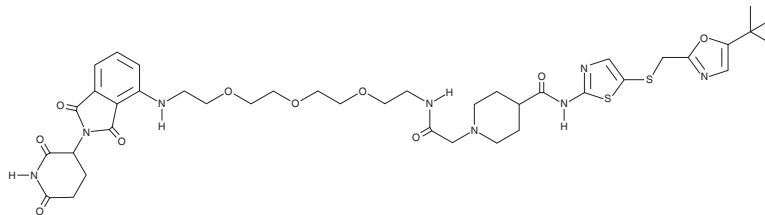


## THAL-SNS-032

Item No. 40958

**CAS Registry No.:** 2139287-33-3  
**Formal Name:** 4-[[[5-[[[5-(1,1-dimethylethyl)-2-oxazolyl]methyl]thio]-2-thiazolyl]amino]carbonyl]-N-[2-[2-[2-[2-[2-(2,6-dioxo-3-piperidinyl)-2,3-dihydro-1,3-dioxo-1H-isoindol-4-yl]amino]ethoxy]ethoxy]ethoxy]ethyl]-1-piperidineacetamide

**MF:** C<sub>40</sub>H<sub>52</sub>N<sub>8</sub>O<sub>10</sub>S<sub>2</sub>  
**FW:** 869.0  
**Purity:** ≥95%  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:** ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

THAL-SNS-032 is supplied as a solid. A stock solution may be made by dissolving the THAL-SNS-032 in the solvent of choice, which should be purged with an inert gas. THAL-SNS-032 is slightly soluble (0.1-1 mg/ml) in methanol and sparingly soluble (1-10 mg/ml) in DMSO.

### Description

THAL-SNS-032 is a proteolysis-targeting chimera (PROTAC) containing the cyclin-dependent kinase 2 (Cdk2), Cdk7, and Cdk9 inhibitor SNS-032 (Item No. 17904) linked to a cereblon (CRBN) binding moiety.<sup>1</sup> It selectively induces degradation of Cdk9 over Cdk1, Cdk2, and Cdk7 in MOLT-4 cells when used at a concentration of 250 nM. THAL-SNS-032 inhibits human cytomegalovirus (HCMV) replication in infected human foreskin fibroblasts (HFFs; EC<sub>50</sub> = 0.025 μM).<sup>2</sup> It also inhibits viral replication in murine CMV-infected mouse embryonic fibroblasts (MEFs; EC<sub>50</sub> = 0.22 μM).

### References

1. Olson, C.M., Jiang, B., Erb, M.A., *et al.* Pharmacological perturbation of CDK9 using selective CDK9 inhibition or degradation. *Nat. Chem. Biol.* **14**(2), 163-170 (2018).
2. Hahn, F., Hamilton, S.T., Wangen, C., *et al.* Development of a PROTAC-based targeting strategy provides a mechanistically unique mode of anti-cytomegalovirus activity. *Int. J. Mol. Sci.* **22**(23), 12858 (2021).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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