



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

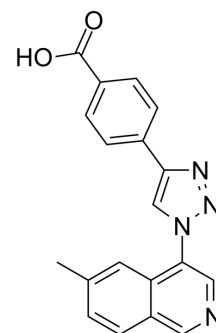
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)

## LANA-DNA-IN-1

<b>Cat. No.:</b>	HY-151380		
<b>CAS No.:</b>	2512847-06-0		
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	330.34		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (302.72 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	3.0272 mL	15.1359 mL	30.2718 mL
		5 mM	0.6054 mL	3.0272 mL	6.0544 mL
10 mM		0.3027 mL	1.5136 mL	3.0272 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.57 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	LANA-DNA-IN-1 is a potent LANA-DNA inhibitor. LANA-DNA-IN-1 has inhibition activity for LBS2, LBS1 and LBS3 with IC <sub>50</sub> values of 8 μM, 9μM and 8μM. LANA-DNA-IN-1 shows against wild-type LANA with IC <sub>50</sub> value of 53 μM. LANA-DNA-IN-1 can be used for the research of infection <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 8 μM (LBS2); 9μM LBS1); 8 μM (LBS3); 53 μM (wild-type LANA) <sup>[1]</sup>
<b>In Vitro</b>	LANA-DNA-IN-1 has inhibition activity for LBS2, LBS1 and LBS3 with IC <sub>50</sub> values of 8 μM, 9μM and 8μM in FP Assay <sup>[1]</sup> . LANA-DNA-IN-1 has potent LANA-LBS1-inhibitory with an IC <sub>50</sub> values of 53 μM <sup>[1]</sup> . LANA-DNA-IN-1 (31.25, 62.5, 125 and 250 μM) has potent against wild-type LANA CTD and the oligomerization-deficient LANA DBD mutant <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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[1]. Philine Kirsch, et al. Hit-to-lead optimization of a latency-associated nuclear antigen inhibitor against Kaposi's sarcoma-associated herpesvirus infections. Eur J Med Chem. 2020 Sep 15;202:112525

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

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