



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
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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

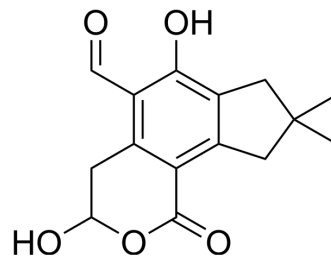
mail@szabo-scandic.com

www.szabo-scandic.com

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

Illudalic acid

Cat. No.:	HY-N12776		
CAS No.:	18508-77-5		
Molecular Formula:	C ₁₅ H ₁₆ O ₅		
Molecular Weight:	276.28		
Target:	Phosphatase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Illudalic acid is a potent and selective Leukocyte antigen-related (LAR) phosphatase inhibitor with an IC ₅₀ value of 1.30 μM. Illudalic acid inhibits LAR phosphatase through covalent ligation to the catalytic cysteine residue ^{[1][2]} .
IC ₅₀ & Target	IC ₅₀ : 1.30 μM (LAR phosphatase) ^[1]

REFERENCES

[1]. Hansen DT, et al. The mechanism of covalent inhibition of LAR phosphatase by illudalic acid. *Bioorg Med Chem Lett*. 2024 May 15;104:129740.

[2]. Ling Q, et al. Illudalic acid as a potential LAR inhibitor: synthesis, SAR, and preliminary studies on the mechanism of action. *Bioorg Med Chem*. 2008 Aug 1;16(15):7399-409.

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

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