



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



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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

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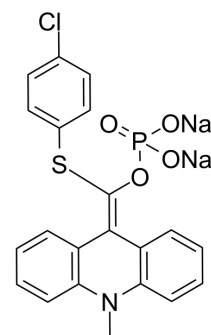
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Lumigen APS-5

Cat. No.:	HY-112832
CAS No.:	193884-53-6
Molecular Formula:	C ₂₁ H ₁₅ ClNNa ₂ O ₄ PS
Molecular Weight:	489.82
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 5.83 mg/mL (11.90 mM; ultrasonic and warming and heat to 60°C)
DMSO : 3.33 mg/mL (6.80 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration	1 mg	5 mg	10 mg
	1 mM		2.0416 mL	10.2078 mL	20.4157 mL
	5 mM		0.4083 mL	2.0416 mL	4.0831 mL
	10 mM		0.2042 mL	1.0208 mL	2.0416 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Lumigen APS-5 is a substrate of alkaline phosphatase (ALP). Lumigen APS-5 can be used to assess the activity of alkaline phosphatase (ALP)^[1].

In Vitro

Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs).
Measurement of Alkaline Phosphatase Activity^[1]:

- Mix testing samples (10 mg) with Lumigen APS-5 (100 µL) and vortexed for 10 s at the highest setting. For the control, 10 µL of distilled water.
- The mixed samples are heat treated at 75°C for 1 min in a water bath to inactivate nonbacterial ALP. After heat treatment, samples are placed in 96 well plates and measured immediately. The activity of ALP is measured by using a luminometer. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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