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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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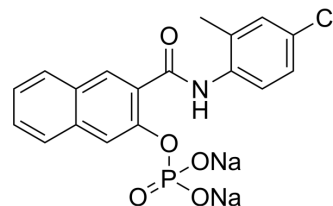
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Naphthol AS-TR phosphate disodium

Cat. No.:	HY-130767A		
CAS No.:	4264-93-1		
Molecular Formula:	C ₁₈ H ₁₃ ClNNa ₂ O ₅ P		
Molecular Weight:	435.71		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (229.51 mM; Need ultrasonic)

DMSO : 50 mg/mL (114.76 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2951 mL	11.4755 mL	22.9510 mL
	5 mM	0.4590 mL	2.2951 mL	4.5902 mL
	10 mM	0.2295 mL	1.1476 mL	2.2951 mL

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

BIOLOGICAL ACTIVITY

Description

Naphthol AS-TR Phosphate disodium is a water-soluble dye commonly used as an enzymatic substrate in various biochemical assays to detect alkaline phosphatase activity. Naphthol AS-TR Phosphate disodium has unique chemical properties that allow it to be hydrolyzed by alkaline phosphatase, forming a colored product that can be detected spectrophotometrically. This makes it a useful tool for monitoring enzyme activity in biological samples such as serum or urine.

REFERENCES

[1]. V Souvannavong, et al. Expression of alkaline phosphatase by a B-cell hybridoma and its modulation during cell growth and apoptosis, Immunol Lett. 1995 Sep;47(3):163-70.

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

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