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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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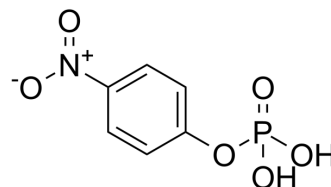
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4-Nitrophenyl phosphate

Cat. No.:	HY-116022
CAS No.:	330-13-2
Molecular Formula:	C ₆ H ₆ NO ₆ P
Molecular Weight:	219.09
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

4-Nitrophenyl phosphate (p-Nitrophenyl phosphate) is widely used as a small molecule phosphotyrosine-like substrate in activity assays for protein tyrosine phosphatases. 4-Nitrophenyl phosphate is a colorless substrate that upon hydrolysis is converted to a yellow 4-nitrophenolate ion that can be monitored by absorbance at 405 nm^[1].

CUSTOMER VALIDATION

- Int J Mol Sci. 2022 Feb 26;23(5):2604.
- J Chromatogr A. 2023 Nov 17, 464511.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Lountos GT, et al. Structural analysis of human dual-specificity phosphatase 22 complexed with a phosphotyrosine-like substrate. Acta Crystallogr F Struct Biol Commun. 2015 Feb;71(Pt 2):199-205.

[2]. Qi S, et al. Development of a facile and sensitive method for detecting alkaline phosphatase activity in serum with fluorescent gold nanoclusters based on the inner filter effect. Analyst. 2020 Jun 7;145(11):3871-3877.

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

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