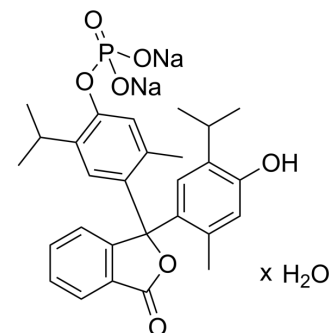


Thymolphthalein monophosphate disodium hydrate

Cat. No.:	HY-D1676
CAS No.:	123359-43-3
Molecular Formula:	$C_{28}H_{31}O_7P \cdot xH_2O \cdot 2Na$
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Thymolphthalein monophosphate disodium hydrate is a chromogenic substrate for the determination of acid phosphatase and alkaline phosphatase. Thymolphthalein is released during the reaction, increases the pH of the medium for easy detection, produces color and stops hydrolysis. Thymolphthalein monophosphate disodium hydrate can be used for the specific detection of prostatic phosphatase in serum^{[1][2]}.

REFERENCES

[1]. Roy AV, et al. Sodium thymolphthalein monophosphate: a new acid phosphatase substrate with greater specificity for the prostatic enzyme in serum. Clin Chem. 1971 Nov;17(11):1093-102

[2]. Morin LG. Ammonium thymolphthalein monophosphate as a new substrate for alkaline and acid phosphatase determinations in serum. Clin Chem. 1973 Oct;19(10):1135-8.

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

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