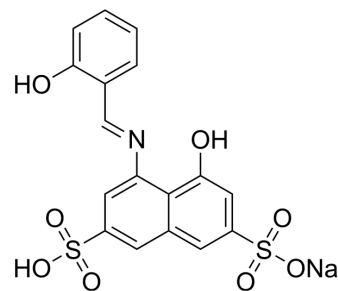


Azomethine-H monosodium

Cat. No.:	HY-D0797
CAS No.:	5941-07-1
Molecular Formula:	C ₁₇ H ₁₂ NNaO ₈ S ₂
Molecular Weight:	445.4
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 83.33 mg/mL (187.09 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2452 mL	11.2259 mL	22.4517 mL
	5 mM	0.4490 mL	2.2452 mL	4.4903 mL
	10 mM	0.2245 mL	1.1226 mL	2.2452 mL

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

BIOLOGICAL ACTIVITY

Description

Azomethine-H monosodium is a colour-forming reagent. Azomethine-H monosodium is also a reagent for boron determinations^{[1][2]}.

In Vitro

Azomethine-H monosodium is used for the manual determination of boron in complex borenes and boranes^[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. F.J.Krug, et al. Flow injection spectrophotometric determination of boron in plant material with azomethine-H. *Analytica Chimica Acta*, 125, 29-35.

[2]. Roberto R. Spencer, et al. Azomethine H colorimetric method for determining dissolved boron in water. *Environmental Science & Technology*, 13(8), 954-956.

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

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