



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



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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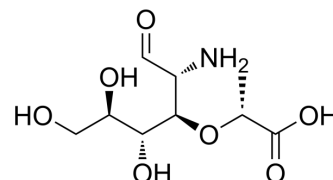
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Muramic acid

Cat. No.:	HY-W011916
CAS No.:	1114-41-6
Molecular Formula:	C ₉ H ₁₇ NO ₇
Molecular Weight:	251.23
Target:	Bacterial; Endogenous Metabolite
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 125 mg/mL (497.55 mM)
* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.9804 mL	19.9021 mL	39.8042 mL
	5 mM		0.7961 mL	3.9804 mL	7.9608 mL
	10 mM		0.3980 mL	1.9902 mL	3.9804 mL

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

BIOLOGICAL ACTIVITY

Description	Muramic acid is a component in many Gram-positive bacterial cell walls, as marker for Gram-positive bacteria ^[1] .
IC ₅₀ & Target	Microbial Metabolite

REFERENCES

[1]. Lappalainen MHJ, et, al. High indoor microbial levels are associated with reduced Th1 cytokine secretion capacity in infancy. Int Arch Allergy Immunol. 2012; 159(2): 194-203.

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

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