

Product Information

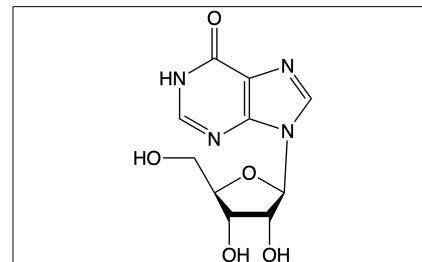
Product ID I538583
CAS No. 58-63-9
Chemical Name 9-[(2R,3R,4S,5R)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-1H-purin-6-one

Synonym Hypoxanthosine; Ribonosine; Atorel; Oxiamin; Hypoxanthine riboside; Trophicardyl; Selfer; Pantholic-L

Formula C₁₀H₁₂N₄O₅
Formula Wt. 268.23
Melting Point
Purity ≥98%
Solubility

Store Temp Ambient
Ship Temp Ambient

Description Inosine is a purine nucleoside derivative of adenosine. Inosine binds directly to the A2A receptor and activates adenylyl cyclase promoting neuroprotective effect. Inosine also may inhibit the activity of ubiquitin-activating enzyme 6 to increase the immunogenicity of tumor cells.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
I538583	1 g	\$52.50
I538583	5 g	\$73.50
I538583	25 g	\$105.00
I538583	100 g	\$236.30

References Cardoso F, Maria G, Pestana F, et al. Nerve repair with polylactic acid and inosine treatment enhance regeneration and improve functional recovery after sciatic nerve transection. *Fron Cell Neurosci.* 2025 Jan 6;18:1525024. PMID: 39835292.

Ma Y, Qian X, Yu Q, et al. Inosine prevents colorectal cancer progression by inducing M1 phenotypic polarization of macrophages. *Molecules.* 2024 Dec 31;30(1):123. PMID: 39795180.

Khanal S, Shin E, Yoo C, et al. Inosine exerts dopaminergic neuroprotective effects via mitigation of NLRP3 inflammasome activation. *Neuropharmacology.* 2025 Mar 15;266:110278. PMID: 39725121.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.