


Certificate of Analysis

Catalog Number	BP15147
Product Name	Morolic acid

Physical and Chemical Properties

CAS No.	559-68-2
Chemical Formula	C ₃₀ H ₄₈ O ₃
Molecular Weight	456.71
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	<p>Morolic acid and moronic acid have shown sustained antidiabetic and antihyperglycemic action possibly mediated by an insulin sensitization with consequent changes of glucose, cholesterol and triglycerides, in part mediated by inhibition of 11β-HSD 1. Morolic acid exhibits pronounced radical scavenging activity against the stable 2,2-diphenyl-1-picrylhydrazyl radical and is a potent inhibitor of neutrophil elastase and cyclooxygenase-1 and -2 in vitro. Morolic acid has anti-inflammatory activity, it can inhibit leukotriene B₄ production in rat polymorphonuclear leukocytes stimulated with calcium ionophore A 23187. Morolic acid exhibits promising anti-HIV activity, it also exhibits moderate inhibitory activity against glycogen phosphorylase.</p>
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Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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