



14α-hydroxy Paspalinine

Cat. No.:	OB0626WX-1833
Appearance:	Solid
Purity:	≥95%
Size:	1 mg; 5 mg; 10 mg; 25 mg

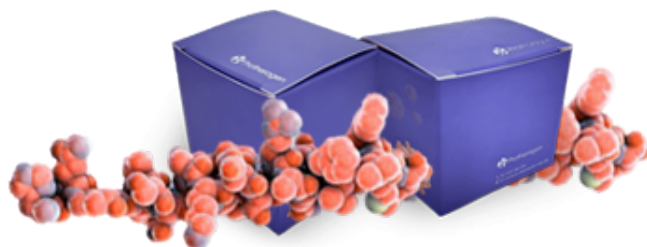
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	14α-hydroxy Paspalinine is an indole diterpene of fungal origin, originally isolated from <i>Aspergillus nomius</i> . This lipophilic secondary metabolite functions as a potent natural biopesticide and deterrent that markedly restricts nutritional efficiency and limits larval weight gain in targeted agricultural insect pests.
Synonyms	(3R,5bS,6S,7aR,13bS,13cR,15aS)-2,3,5b, 6,7,7a,8,13,13b,13c,14,15-dodecahydro-5b,6-dihydroxy-2,2,13b,13c-tetramethyl-4H- 3,15a-epoxy-1-benzoxepino[6',7':6,7]indeno[1,2-b]indol-4-one; 14(S)-hydro xy Paspalinine; 151341-77-4; 14-hydroxypaspalinine; 14 A-Hydroxy Paspalinine; 14 alpha-hydroxy Paspalinine; (1S,4R,5S,16R,18S, 19S,23R)-18,19-dihydroxy-4,5,24,24-tetramethyl-25,26-dioxa-7-azaheptacyclo[21.2.1.01,20.04,19.05,16.06,14.08,13]hexacos-6(14),8,10,12,20-pentaen-22-one
CAS No.	151341-77-4
Compound CID	10072409
Formula	C ₂₇ H ₃₁ NO ₅
Formula Weight	449.5

Specification

IUPAC Name	(1S,4R,5S,16R,18S,19S,23R)-18,19-dihydroxy-4,5,24,24-tetramethyl-25,26-dioxa-7-azaheptacyclo[21.2.1.01,20.04,19.05,16.06,14.08,13]hexacos-6(14),8,10,12,20-pentaen-22-one
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InChI	InChI=1S/C27H31NO5/c1-23(2)22-18(29)13-19-26(32-22,33-23)10-9-24(3)25(4)14(12-20(30)27(19,24)31)11-16-15-7-5-6-8-17(15)28-21(16)25/h5-8,13-14,20,22,28,30-31H,9-12H2,1-4H3/t14-,20+,22+,24-,25-,26+,27+/m1/s1
InChI Key	JNHPMJVSUJKCKH-KCCNSQSLSA-N
Canonical SMILES	<chem>O=C1C=C2[C@]3(O)[C@@H](O)C[C@]4([H])[C@@](C(NC5=C6C=CC=C5)=C6C4)(C)[C@@]3(C)CC[C@]27OC(C)(C)[C@@]1([H])O7</chem>
Stability	1 year
Storage	Storage at -20°C.
Applications	14 α -hydroxy Paspalinine acts as an isolated oxygenated tremorgenic diterpenoid metabolite benchmark to validate natural product separation protocols, explore structural multi-ring configurations, and support chemical biology profiling in target cell-free assays.