

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

Domoic acid, CAS [[14277-97-5]]

FBM-10-2472

Article Name	Domoic acid, CAS [[14277-97-5]]
Biozol Catalog Number	FBM-10-2472
Supplier Catalog Number	10-2472
Alternative Catalog Number	FBM-10-2472-50UG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Marine natural product neurotoxin...
Molecular Weight	311.33
Purity	>98% by HPLC NMR (Conforms)
Form	Solution in water with 5% acetonitrile at 50 µg/0.5 mL
CAS Number	[14277-97-5]
Formula	C15H21NO6
Application Notes	Kainic acid-type neurotoxin produced by certain species of the marine pennate diatom <i>Pseudo-nitzschia</i> , is responsible for amnesic shellfish poisoning. ¹ Suspension feeders such as bivalve mollusks can accumulate and retain high amounts of DA in their tissues, threatening human health. ^{2,3} DA is a potent agonist at kainate and AMPA receptors ⁴ and induces convulsive behavior and seizures in rodents ⁵ . It induces structural and molecular changes in the developing zebra fish nervous system. ⁶