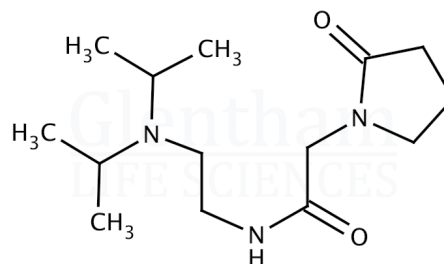


Certificate of Analysis

Product Name	Pramiracetam
Glentham Code	GP7944
CAS Number	68497-62-1
PubChem SID	310279197
Batch Number	638JHC

Molecular Weight	455.34
Molecular Formula	$C_{15}H_{27}N_3O_3P_2$
Storage Temp.	+4°C



Property	Specification	Batch 638JHC
Physical Description	White to almost white powder or crystals	White powder
Identification (IR)	To conform to standard	Conforms to standard
Melting Point	45.0 - 50.0 °C	48.9°C
Water (KF)	≤ 14.0%	8.2%
Purity (HPLC)	≥ 98.0%	99.5%

Specification Version	v1.0
Manufacture Date	2024-05-22
Re-Test Date	2031-08-29

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025