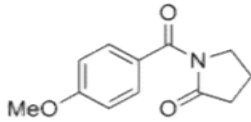


Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0116	
Compound name	Aniracetam	
Chemical name	1-(4-Methoxybenzoyl)-2-pyrrolidinone	
Batch number	E1110-1-1	
Batch molecular formula	C ₁₂ H ₁₃ NO ₃	
Batch molecular weight	219.24	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.9%
NMR	¹ H NMR in CDCl ₃ at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 10% MeOH/DCM shows one spot under uv	Meets specification: R _f =0.3
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (100 mM) and in ethanol (25 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

26-06-19

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.