

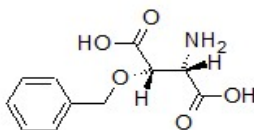
Certificate of Analysis



Product Identification

Catalog number HB0258
Compound name DL-TBOA
Chemical name DL-threo- β -Benzyloxyaspartic acid

Batch number E0519-6-1
Batch molecular formula $C_{11}H_{13}NO_5 \cdot H_2O$
Batch molecular weight 257.24



plus other enantiomer

Method

QC requirement

QC Result

HPLC	HPLC shows 2 peaks and more than 98% purity by 300MHz ¹ H spectrum in D ₂ O confirms structure and shows <1% of any other impurity	Meets specification: >99% by HPLC Meets specification
NMR		
Mass spectrum	Shows mass ion corresponding to [M-H] ⁻	Meets specification: Mass ion: 238
Microanalysis	Elemental analysis is within 0.4 of expected result for each element tested	Meets specification: analysis fits for batch molecular formula
TLC	Analysis using a solvent ratio of 1:1 BuOH / PAW (3:8:11)	Meets specification: R _f =0.45
Physical appearance	White to cream solid	Meets specification: White Solid
Solubility	Soluble in DMSO (100mM) and water (5mM, gentle warming)	Meets specification

Biological validation

Produced by Huw Davies

Signature

Passed by Steve Roome

Signature

Date

10-10-16

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