

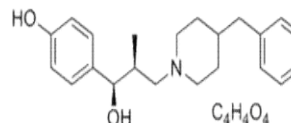
Certificate of Analysis



Product Identification

Catalog number HB0554
Compound name Ro 25-6981
Chemical name (α R, β S)- α -(4-Hydroxyphenyl)- β -methyl-4-(phenylmethyl)-1-piperidinepropanol maleate
Batch number E0466-4-4
Batch molecular formula C₂₂H₂₉NO₂·C₄H₄O₄·0.5H₂O
Batch molecular weight 464.56

Chemical Structure



Method

QC requirement

QC Result

HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 98.7 %
NMR	1H NMR in DMSO 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
Optical rotation	Compound shows a specific rotation at 589nm ([α] _D) in MeOH between 12° and 20°	Meets specification: [α] _D = 17.9° (c=4.7, in MeOH at 20°C).
TLC	TLC analysis in 1:9:90 NEt ₃ :MeOH:DCM shows one spot under uv	Meets specification: R _f =0.35
Physical appearance	White to Off-White solid	Meets specification: White Solid
Solubility	Soluble in DMSO (100 mM) and in water (10 mM, gentle warming)	Meets specification

Biological validation

Produced by Huw Davies

Signature

Passed by Steve Roome

Signature

Date

09-08-16

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