

Certificate of Analysis

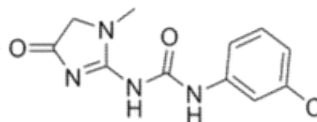


Product Identification

Catalog number HB0286
Compound name Fenobam
Chemical name N-(3-Chlorophenyl)-N'-(4,5-dihydro-1-methyl-4-oxo-1H-imidazol-2-yl)urea

Batch number E0472-1-1
Batch molecular formula C₁₁H₁₁ClN₄O₂·1H₂O
Batch molecular weight 284.70

Chemical Structure



Method	QC requirement	QC Result
HPLC	HPLC shows more than 98% purity by RP analysis	Meets specification: >99% by HPLC
NMR	400MHz ¹ H spectrum in CDCl ₃ confirms structure and shows <1% of any other impurity	Meets specification
Mass spectrum	Electrospray positive analysis shows mass ion corresponding to [M+Na] ⁺	Meets specification: Mass ion: 289.0
Microanalysis	Elemental analysis is within 0.4 of expected result for each element tested	Meets specification: analysis fits for batch molecular formula
Physical appearance	Off-White to pale yellow solid	Meets specification: Pale Yellow Solid
Solubility	Soluble in DMSO to 100 mM	Meets specification

Biological validation

Produced by Huw Davies

Signature

Passed by Steve Roome

Signature

Date

08-08-16

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