

Certificate of Analysis

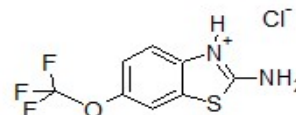


Product Identification

Catalog number HB0548
Compound name Riluzole hydrochloride
Chemical name 2-Amino-6-trifluoromethoxybenzothiazole hydrochloride

Batch number E0556-1-1
Batch molecular formula C₈H₆F₃N₂OS.HCl
Batch molecular weight 270.66

Chemical Structure



Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 98.9% by HPLC
NMR	¹ H NMR in D ₂ O at 400 MHz consistent with structure and shows <1% of any impurity	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 1:9:90 NEt ₃ :MeOH:DCM shows one spot under uv	Meets specification: R _f =0.5
Physical appearance	White to cream solid	Meets specification: white Solid
Solubility	Soluble in water (10 mM) and DMSO (100mM)	Meets specification

Biological validation

Produced by Huw Davies

Signature

Passed by Steve Roome

Signature

Date

25-04-17

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