

# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB6093	
Compound name	Riluzole	
Chemical name	2-Amino-6-(trifluoromethoxy)benzothiazole	
Batch number	E1162-1-1	
Batch molecular formula	C <sub>8</sub> H <sub>5</sub> F <sub>3</sub> N <sub>2</sub> OS	
Batch molecular weight	234.19	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	<sup>1</sup> H 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
TLC	TLC analysis in 10% MeOH/DCM + drop of NEt <sub>3</sub> shows one spot under uv	Meets specification: R <sub>f</sub> =0.5
Physical appearance	White to off-white solid	Meets specification: Cream solid
Solubility	Soluble in DMSO (100 mM) and in ethanol (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

10-09-19

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