



CERTIFICATE of ANALYSIS

PRODUCT: **Riluzole**
[2-Amino-6-(trifluoromethoxy)-benzothiazole,
6-(Trifluoromethoxy)-2-benzothiazolamine]
C₈H₅F₃N₂OS, M.W. 234.2, CAS# [1744-22-5]

PRODUCT NUMBER: R-1034

LOT NUMBER: D1248

APPEARANCE: White solid.

SOLUBILITY: Soluble in DMSO (>25mg/ml), 100% ethanol (>25mg/ml),
methanol (>40mg/ml), 45% (w/v) aq 2-hydroxypropyl-β-
cyclodextrin (14mg/ml) or in 0.1N HCl (11mg/ml); insoluble
in water.

MELTING POINT: 118-119.4°C

PURITY: >99.5% (UHPLC)

LOSS ON DRYING: 0.2%

RESIDUE ON IGNITION: 0.07%

HEAVY METALS: < 20 PPM

PRODUCT DESCRIPTION: Glutamate release inhibitor. Neuroprotective. Blocks the
inactivated state of voltage-gated neuronal Na⁺ channels at
very low concentrations (about 0.1μM) and activates the
TREK family of two-pore domain potassium channels.

STORAGE & HANDLING: Stable for up to 1 year after receipt when stored at +20°C.
Stock solutions are stable for up to 3 months at -20°C.
CAUTION: For laboratory research & scientific manufacturing use only. Not for human or
drug use. The pharmacological and toxicological properties of this product have not been
fully investigated. Use caution when handling. Do not use this compound if you are not
fully trained or are unaware of the hazards involved.

Verified:

