Product Name: Riluzole hydrochloride  
Catalog No.: 0768  
Batch No.: 17  
CAS Number: 850608-87-6  
IUPAC Name: 2-Amino-6-trifluoromethoxybenzothiazole hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_8H_5F_3N_2OS.HCl \)
Batch Molecular Weight: 270.66  
Physical Appearance: White solid  
Solubility: DMSO to 100 mM  
water to 10 mM with gentle warming  
Storage: Store at RT  
Batch Molecular Structure:

2. ANALYTICAL DATA

TLC: \( R_f = 0.65 \) (Chloroform:Methanol [9:1] + NH4OH 0.1%)
HPLC: Shows >99.7% purity  
\(^1\)H NMR: Consistent with structure  
Mass Spectrum: Consistent with structure  
Microanalysis:  

<table>
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<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com  
info@bio-techne.com  
technicalsupport@bio-techne.com

North America  
Tel: (800) 343 7475

China  
info.cn@bio-techne.com  
Tel: +86 (21) 52380373

Europe Middle East Africa  
Tel: +44 (0)1235 529449

Rest of World  
www.tocris.com/distributors  
Tel:+1 612 379 2956
Product Name: Riluzole hydrochloride
Catalog No.: 0768
Batch No.: 17

Description:
Inhibits glutamate release from presynaptic terminals and increases Na+-dependent glutamate uptake in rat cortical synaptosomes. Blocks voltage-dependent Na+ channels and inhibits GABA uptake by striatal synaptosomes. Also activates TRPC5 channels. Psychotropic agent with anticonvulsant, hypnotic, anxiolytic, anti-ischemic, anesthetic and neuroprotective properties.

Physical and Chemical Properties:
Batch Molecular Formula: C9H8F3N2OS.HCl
Batch Molecular Weight: 270.66
Physical Appearance: White solid
Minimum Purity: >98%

Batch Molecular Structure:

Storage: Store at RT

Solubility & Usage Info:
DMSO to 100 mM
water to 10 mM with gentle warming

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).
Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: