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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

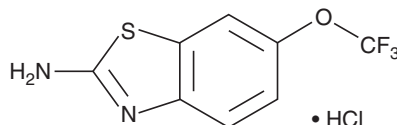
PRODUCT INFORMATION



Riluzole (hydrochloride)

Item No. 14577

CAS Registry No.: 850608-87-6
Formal Name: 6-(trifluoromethoxy)-2-benzothiazolamine, monohydrochloride
Synonym: PK 26124
MF: $C_8H_5F_3N_2OS \cdot HCl$
FW: 270.7
Purity: $\geq 98\%$
Supplied as: A solid
Storage: $-20^\circ C$
Stability: ≥ 4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Riluzole (hydrochloride) is supplied as a solid. A stock solution may be made by dissolving the riluzole (hydrochloride) in the solvent of choice. Riluzole (hydrochloride) is soluble in organic solvents such as DMSO, which should be purged with an inert gas. It is also soluble in water.

Description

Riluzole is a benzothiazole derivative with anti-excitotoxic effects that acts by blocking the presynaptic release of glutamate, indirectly antagonizing glutamate receptors, and inactivating neuronal voltage-gated Na^+ channels ($ED_{50} = 2.3 \mu M$).¹ Riluzole suppresses glutamate-induced seizures in rats at an ED_{50} value of 3.2 mg/kg and displays neuroprotective effects in hypoxic animals at an ED_{50} value of 4 mg/kg.¹ Formulations containing riluzole have been explored as therapeutics for slowing disease progression of amyotrophic lateral sclerosis.¹

Reference

1. Cheah, B.C., Vucic, S., Krishnan, A.V., *et al.* Riluzole, neuroprotection and amyotrophic lateral sclerosis. *Curr. Med. Chem.* **17(18)**, 1942-1959 (2010).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897
[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM