



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

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

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

mail@szabo-scandic.com

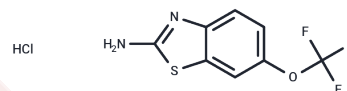
www.szabo-scandic.com

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

Riluzole hydrochloride

Chemical Properties

CAS No. :	850608-87-6
Formula:	C ₈ H ₆ ClF ₃ N ₂ OS
Molecular Weight:	270.66
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Riluzole hydrochloride (PK 26124 hydrochloride) is an anticonvulsant compound belonging to the family of sodium channel blockers that inhibits GABA uptake. Riluzole hydrochloride is a sodium-glutamate antagonist with anticancer and neuroprotective activity and can be used to study amyotrophic lateral sclerosis and neurological disorders.
Targets(IC50)	GABA Receptor
In vitro	Riluzole hydrochloride (20-100 μ M) significantly prolonged the decay of IPSCs, resulting in almost no change in the total charge transfer[1].
In vivo	Riluzole hydrochloride (8 mg/kg;i.p.) can inhibit auditory and aversive emotional responses in adult rats with arthritis, but does not affect spinal withdrawal thresholds [2].

Solubility Information

Solubility	DMSO: 80 mg/mL (295.57 mM), Sonication is recommended. H ₂ O: 2 mg/mL (7.39 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6947 mL	18.4734 mL	36.9467 mL
5 mM	0.7389 mL	3.6947 mL	7.3893 mL
10 mM	0.3695 mL	1.8473 mL	3.6947 mL
50 mM	0.0739 mL	0.3695 mL	0.7389 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

He Y, et al. Neuroprotective agent riluzole potentiates postsynaptic GABA(A) receptor function. Neuropharmacology. 2002 Feb;42(2):199-209.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481