

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### Riluzole, CAS [[1744-22-5]] FBM-10-2815

Article Name	Riluzole, CAS [[1744-22-5]]
Biozol Catalog Number	FBM-10-2815
Supplier Catalog Number	10-2815
Alternative Catalog Number	FBM-10-2815-20MG,FBM-10-2815-100MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Sodium channel blocker / Neuroprotective...
Molecular Weight	234.20
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[1744-22-5]
Formula	C8H5F3N2OS
Application Notes	Riluzole is a clinically useful drug for the treatment of amyotrophic lateral sclerosis (ALS). <sup>1</sup> Riluzole inhibits glutamate release via inactivation of voltage-dependent ion channels, effects expression and signal transduction of glutamate receptors, and facilitates glutamate uptake. <sup>2,3,4</sup> It has also been investigated as a treatment for depression and anxiety. <sup>5</sup> Riluzole induced apoptosis in mGluR1-expressing melanoma cells <sup>6</sup> , inhibited cell proliferation in a U87MG glioblastoma model via blockage of glutamate release <sup>7</sup> , and inhibited the growth of brain tumor stem-like cells via downregulation of GLUT3.