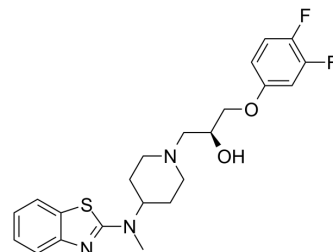


## Lubeluzole

Cat. No.:	HY-105084
CAS No.:	144665-07-6
Molecular Formula:	C <sub>22</sub> H <sub>25</sub> F <sub>2</sub> N <sub>3</sub> O <sub>2</sub> S
Molecular Weight:	433.51
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Lubeluzole is a neuroprotective anti-ischemic compound. Lubeluzole, but not its (-)-R-isomer, protects against sensorimotor deficits provoked by photochemical stroke in rats. Lubeluzole inhibited glutamate-stimulated guanosine 3',5'-cyclic monophosphate production with an IC<sub>50</sub> of 37 nM. Lubeluzole also has the potential for developing a novel class of antibacterial adjuvants endowed with spasmolytic activity<sup>[1][2]</sup>.

### REFERENCES

- [1]. Cavalluzzi MM, et al. Lubeluzole: from anti-ischemic drug to preclinical antidiarrheal studies. *Pharmacol Rep.* 2021;73(1):172-184.
- [2]. Lesage AS, et al. Lubeluzole, a novel long-term neuroprotectant, inhibits the glutamate-activated nitric oxide synthase pathway. *J Pharmacol Exp Ther.* 1996;279(2):759-766.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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