

Product Data Sheet

Product Name: Lubeluzole

Cat. No.: GC70244

Chemical Properties

Cas. No. 144665-07-6

Formula $C_{22}H_{25}F_2N_3O_2S$

M.Wt 433.51

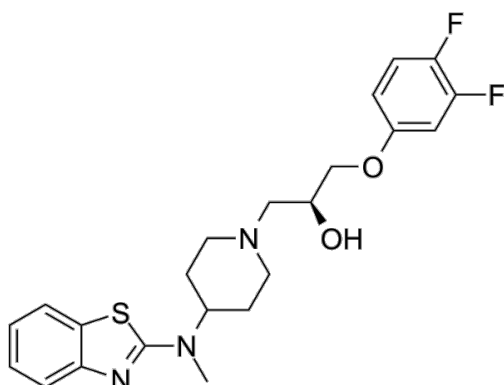
Solubility

Storage

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

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 IC₅₀ of 37 nM. Lubeluzole also has the potential for developing a novel class of antibacterial adjuvants endowed with spasmolytic activity.

References:

[1]. Cavalluzzi MM, et al. Lubeluzole: from anti-ischemic drug to preclinical antidiarrheal studies.

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

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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.

[3]. Cavalluzzi MM, Budriesi R, De Salvia MA, et al. Lubeluzole: from anti-ischemic drug to preclinical antidiarrheal studies. Pharmacol Rep. 2021;73(1):172-184.

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