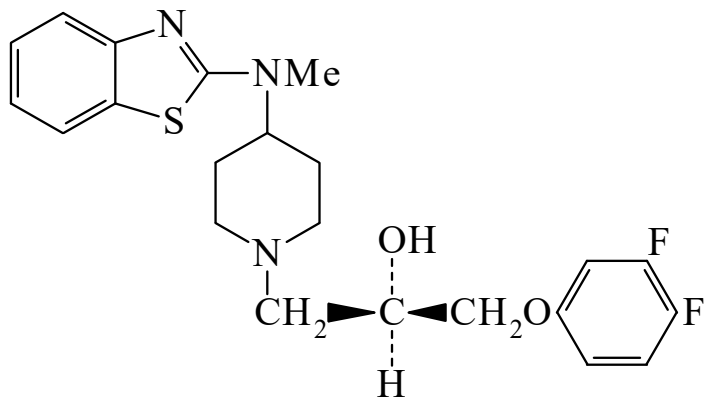
>>**Entry Name: Lubeluzole,** BAN, INN

Synonym(s): 4-(2-Benzothiazolylmethylamino)-α-[(3,4-difluorophenoxy)methyl]-1-piperidineethanol, 9CI. R 87926



(S)-form

Molecular Formula: $C_{22}H_{25}F_2N_3O_2S$
Molecular Weight: 433.521
Accurate Mass: 433.163553
Percentage Composition: C 60.95%; H 5.81%; F 8.76%; N 9.69%; O 7.38%; S 7.40%
Use/Importance: Neuroprotective and antihypoxic agent. Used in the treatment of cerebral ischaemia
Development Status: In Phase II clinical trials (1996)
Other Data: Analogue of Sabeluzole BST71-R
Hazard & Toxicity: Exp. cardiovascular effects

>>**Variant:** (*S*)-form

CAS Registry Number: 144665-07-6
Molecular Formula: $C_{22}H_{25}F_2N_3O_2S$
Molecular Weight: 433.521
Accurate Mass: 433.163553
Percentage Composition: C 60.95%; H 5.81%; F 8.76%; N 9.69%; O 7.38%; S 7.40%
Physical Description: Cryst. (diisopropyl ether)
Melting Point: Mp 65.8°
Optical Rotation: $[\alpha]_D^{20}$+4.38 (c, 1 in MeOH)
Other Data: Pharmacol. active isomer

>>**Derivative:** Hydrochloride (1:2)

CAS Registry Number: 144665-09-8
Melting Point: Mp 148.7°
Optical Rotation: $[\alpha]_D^{20}$–9.01 (c, 1 in MeOH)

>>**Derivative:** Hydrobromide (1:2)

CAS Registry Number: 144730-87-0
Melting Point: Mp 213.7°

>>**Variant:** (±)-form

CAS Registry Number: 144574-26-5
Molecular Formula: $C_{22}H_{25}F_2N_3O_2S$
Molecular Weight: 433.521
Accurate Mass: 433.163553
Percentage Composition: C 60.95%; H 5.81%; F 8.76%; N 9.69%; O 7.38%; S 7.40%
Melting Point: Mp 86.4°

>>**Derivative:** Hydrochloride (1:2)

CAS Registry Number: 144574-25-4
Melting Point: Mp 211.8°

References:

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