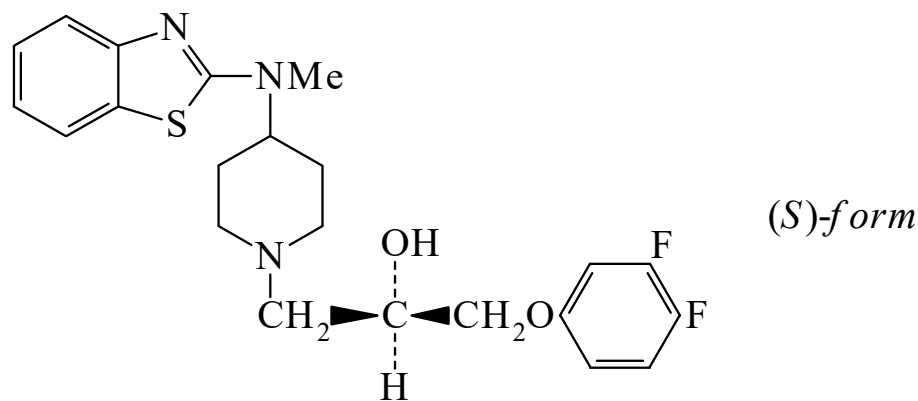




>>>Entry Name: Lubeluzole, BAN, INN

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



Molecular Formula: C₂₂H₂₅F₂N₃O₂S

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: C₂₂H₂₅F₂N₃O₂S

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: [α]_D²⁰+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: [α]_D²⁰-9.01 (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: C₂₂H₂₅F₂N₃O₂S

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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Diener, H.C. *et al.*, *Stroke (Dallas)*, 1996, **27**, 76, (*clin trial*)
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