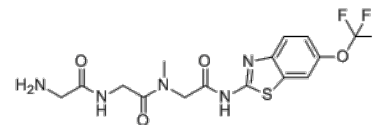


Product Name : Troriluzole
Cat. No. : PC-36103
CAS No. : 1926203-09-9
Molecular Formula : C₁₅H₁₆F₃N₅O₄S
Molecular Weight : 419.379
Target : Glutamate Transporter
Solubility : 10 mM in DMSO



1. Schanzer B, et al. *Expert Opin Investig Drugs*. 2019 Nov;28(11):1003-1012.

Biological Activity

Trigriluzole (BHV-4157) is a novel **glutamate modulator** for the treatment of mild-to-moderate Alzheimer's disease (AD). Trigriluzole is a third-generation prodrug and new chemical entity that modulates glutamate, the most abundant excitatory neurotransmitter in the human body.

Trigriluzole has a wide range of pharmacological actions, including interactions with several types of ion channels, cellular signaling mechanisms and facilitation of glutamate reuptake.

Some potential targets related to trigriluzole's mechanism of action include (1) reducing presynaptic glutamate release through actions at the voltage-gated ion channels, (2) facilitating glutamate uptake via EAATs located on glial cells, (3) enhancing transmission through synaptic AMPA receptors, (4) altering GABAergic neurotransmission, and (5) effecting neurotrophic agents such as BDNF.

References

