
Product Data Sheet

Product Name: Afobazole

Cat. No.: GC16348

Chemical Properties

Cas. No. 173352-21-1

Formula $C_{15}H_{21}N_3O_2S$

M.Wt 307.41

Solubility DMSO : 100 mg/mL (325.30 mM; Need ultrasonic) Storage Store at -20°C

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

Fabomotizole (CM346) is an anxiolytic drug; produces anxiolytic and neuroprotective effects without any sedative or muscle relaxant actions. IC50 value: Target: anxiolytic agent Afobazole's mechanism of action remains poorly defined however, with GABAergic, NGF and BDNF release promoting, MT1 receptor antagonism, MT3 receptor antagonism, and sigma agonism suggested as potential mechanisms. Afobazole was shown to inhibit MAO-A reversibly and there might be also some involvement with serotonin receptors. Afobazole has found little clinical use outside of Russia and has not been evaluated by the FDA.

References:

[1]. Afobazole, From Wikipedia

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

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