

Taltirelin

Catalog No: tcsc2814



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

103300-74-9

Formula:

$C_{17}H_{23}N_7O_5$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 32 mg/mL (78.93 mM)

Alternative Names:

TA-0910

Observed Molecular Weight:

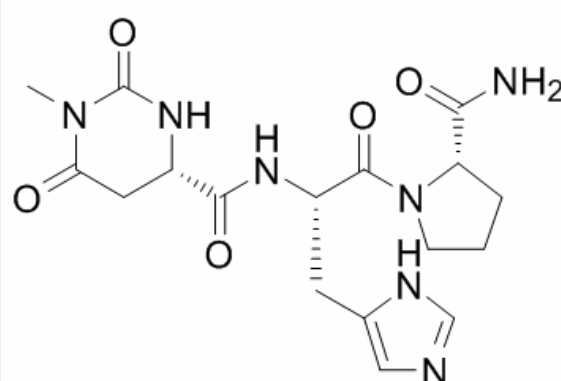
405.41

Product Description

Taltirelin(TA0910), a novel orally active TRH analogue, binds to rat brain TRH receptors in vivo.

Target: Others

Taltirelin(TA0910), a novel orally active TRH analogue, binds to rat brain TRH receptors in vivo. Effects of taltirelin hydrate (CAS 103300-74-9, TA-0910), a novel thyrotropin-releasing hormone (TRH) analog, on the cerebral monoamine systems, especially the release and turnover of dopamine (DA) in rat brain were compared with those of TRH by intraperitoneal administration. Taltirelin hydrate (1-10 mg/kg) increased the extracellular levels of DA and its metabolites, 3,4-dihydroxyphenylacetic acid (DOPAC) and homovanillic acid (HVA) in the nucleus accumbens and corpus striatum for 3 h in a microdialysis study. taltirelin hydrate possesses not only an enhancing effect on DA release, but also a stimulating effect on the monoamine system [1]. Taltirelin selectively bound to TRH receptors and increased the spontaneous motor activity by a single administration, suggesting that the motor effect of taltirelin is mediated by TRH receptors [2].



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