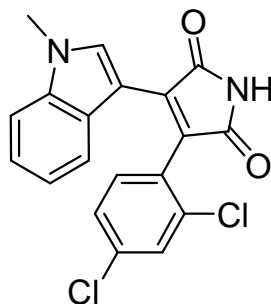


SYMANSIS™

Product Data Sheet**Compound Name****SB216763****Structure****CAS Number**

[280744-09-4]

Chemical Formula:C₁₉H₁₂Cl₂N₂O₂**Molecular Weight:**

371.22

Background information

Mode of Action

Kinase inhibitor

Predominant Target(s)

Glycogen synthase kinase-3 (GSK-3)

Published Activity (not validated)

protected cultured rat cerebellar granule neurons and hippocampal neurons against excitotoxicity mediated by NMDA and non-NMDA receptor agonists

Development stage

Research

References

1. *Glycogen synthase kinase-3 inhibitors protect central neurons against excitotoxicity.* Facci L, Stevens DA, Skaper SD. **Neuroreport. 14(11):1467-1470, 2003**
2. *Inhibition of glycogen synthase kinase 3□ attenuates neurocognitive dysfunction resulting from cranial irradiation.* Thotala, Dinesh K.; Hallahan, Dennis E.; Yazlovitskaya, Eugenia M. **Cancer Research (2008), 68(19), 8189.**