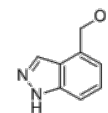


Product Name : GMFBI.1
Cat. No. : PC-72080
CAS No. : 709608-85-5
Molecular Formula : C₈H₈N₂O
Molecular Weight : 148.165
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

GMFBI.1 is a small molecule that specifically block Ser83 phosphorylation site on Glia maturation factor- β (**GMF- β**), directly binds to hGMF- β protein with Kd of 19.9 μ M.

GMFBI.1 inhibits PKA mediated phosphorylation of hGMF- β substrate in vitro and is non-toxic at lower concentrations on astrocyte cultures, significantly suppresses GMF- β phosphorylation on Ser83 at 250ng/mL (1.68 μ M).

GMFBI.1 reduces p38MAPK phosphorylation and NF κ B expression levels in GMF- β overexpressing LPS induced astrocytes in vitro.

GMFBI.1 inhibitor reversed EAE and suppressed the proinflammatory response in severely paralyzed EAE animals.

References

Jane Jose Vattathara, et al. *Sci Rep.* 2020 Mar 2;10(1):3790.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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