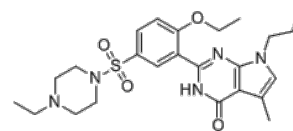


Product Name : Yonkenafil
Cat. No. : PC-38810
CAS No. : 804518-63-6
Molecular Formula : C₂₄H₃₃N₅O₄S
Molecular Weight : 487.619
Target : Phosphodiesterase (PDE)
Solubility : 10 mM in DMSO



Biological Activity

Yonkenafil (Tunodafil) is a potent, selective **PDE5** inhibitor with IC₅₀ of 2.0 nM.

Yonkenafil inhibits microglial activation by decreasing PDE-5 expression and increasing the cGMP level.

Yonkenafil induces neuronal network potentiation by a cGMP-dependent Nogo-R axis in acute experimental stroke.

Yonkenafil modulates neurogenesis, gliosis to improve cognitive function and ameliorates amyloid burden in an APP/PS1 transgenic mice model.

References

Chen X, et al. *Exp Neurol*. 2014 Nov;261:267-77.

Zhu L, et al. *Mech Ageing Dev*. 2015 Sep;150:34-45.

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

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