Product Name: Pimavanserin
CAS No.: 706779-91-1
Cat. No.: HY-14557
MWT: 427.55
Formula: C25H34FN3O2
Purity: >98%
Solubility: DMSO

Mechanisms:
Pathways: GPCR/G protein; Target: 5-HT Receptor
Pathways: Neuronal Signaling; Target: 5-HT Receptor

Biological Activity:
Pimavanserin (ACP-103) is a potent and selective 5-HT2A receptor inverse agonist with mean pIC50 of 8.7 in the cell-based functional assay.
IC50 value: 8.7 pIC50 [1]
Target: 5-HT2A agonist
in vitro: ACP-103 competitively antagonized the binding of [3H]ketanserin to heterologously expressed human 5-HT(2A) receptors with a mean pK(i) of 9.3 in membranes and 9.70 in whole cells. ACP-103 displayed potent inverse agonist activity in the cell-based functional assay receptor selection and amplification technology (R-SAT), with a mean pIC(50) of 8.7. ACP-103 demonstrated lesser affinity (mean pK(i) of 8.80 in membranes and 8.00 in whole cells, as determined by radioligand binding) and potency as an inverse agonist (mean pIC(50) 7.1 in R-SAT) at human 5-HT(2C) receptors, and lacked affinity and functional activity at 5-HT(2B) receptors, dopamine D(2) receptors, and other...

References:

Caution: Not fully tested. For research purposes only