

Product Name	: ASP3662
Synonyms	: ASP 3662;ASP-3662
Cat No.	: M10745
CAS Number	: 1204178-50-6
Molecular Formula	: C ₁₉ H ₁₆ ClF ₃ N ₄ O ₂
Formula Weight	: 424.81
Chemical Name	: 4-{5-[2-(4-chloro-2,6-difluorophenoxy)propan-2-yl]-4-methyl-4H-1,2,4-triazol-3-yl}-3-fluorobenzamide
Description	ASP3662 is a potent, selective, CNS-penetrable and orally active inhibitor of 11β-HSD1 with Ki of 5.3, 2.6 and 23 nM for human, mouse and rat 11β-HSD1, does not inhibit human 11β-HSD2 at 30 uM; demonstrates no appreciable binding affinity to or inhibition against 87 off-targets (adenosine receptors, adrenergic receptors, angiotensin receptors, calcium channels, 5-HT receptors etc.); inhibits the in vitro conversion of glucocorticoid from its inactive to active form in the brain and spinal cord; ameliorates mechanical allodynia in spinal nerve ligation (SNL) and streptozotocin-induced diabetic rats and thermal hyperalgesia in chronic constriction nerve injury rats. Alzheimer Disease Phase 2 Discontinued
Pathway	: Metabolic Enzyme/Protease
Target	: 11β-HSD
Receptor	: 11β-HSD
Solubility	: —
SMILES	: <chem>CC(C)(C1=NN=C(N1C)C2=C(C=C(C=C2)C(=O)N)F)OC3=C(C=C(C=C3F)Cl)F</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Kiso T, et al. Br J Pharmacol. 2018 Jul 14. doi: 10.1111/bph.14448.