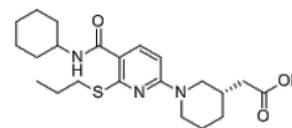


Product Name : AZD 4017
Cat. No. : PC-61987
CAS No. : 1024033-43-9
Molecular Formula : C₂₂H₃₃N₃O₃S
Molecular Weight : 419.58
Target : 11 β -HSD
Solubility : 10 mM in DMSO



Biological Activity

AZD4017 (AZD-4017) is a potent, selective, and orally bioavailable human **11 β -HSD1** with IC₅₀ of 7 nM, shows no significant activity against 11 β -HSD1 and 17 β -HSD1, 17 β -HSD3 (IC₅₀>30 μ M). AZD4017 is inactive (<25% inhibition at 10 μ M) against Cytochrome P450 enzymes (CYP1A2, CYP2C9, CYP2C19, CYP2D6, and CYP3A4), and lower potency against the mouse, rat and dog 11 β -HSD1 (IC₅₀=750-4000 nM). AZD4017 demonstrates the dose dependent inhibition of 11 β -HSD1 in vivo.

References

Scott JS, et al. *J Med Chem.* 2012 Jun 28;55(12):5951-64.

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

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