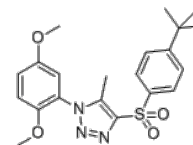


Product Name : SPA70
Cat. No. : PC-62523
CAS No. : 931314-31-7
Molecular Formula : C₂₁H₂₅N₃O₄S
Molecular Weight : 415.508
Target : Pregnane X Receptor (PXR)
Solubility : 10 mM in DMSO



Biological Activity

SPA70 is a potent and selective **hPXR** antagonist (IC₅₀=0.51 uM) that interacts with the ligand-binding domain (LBD) of hPXR, inhibits hPXR in human hepatocytes and mouse models and enhances the chemosensitivity of cancer cells.

SPA70 displays highly selectivity over 10 other nuclear receptors (FXR, LXR, RXR, PPAR, etc.).

SPA70 antagonizes hPXR target genes induced by various hPXR agonists, blocks hPXR-mediated drug metabolism in vivo.

References

Lin W, et al. *Nat Commun.* 2017 Sep 29;8(1):741.

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

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