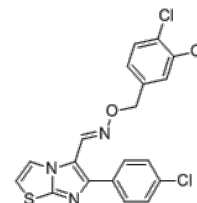


Product Name : CITCO
Cat. No. : PC-49715
CAS No. : 338404-52-7
Molecular Formula : C₁₉H₁₂Cl₃N₃OS
Molecular Weight : 436.74
Target : Constitutive androstane receptor (CAR)
Solubility : 10 mM in DMSO



Biological Activity

CITCO is a potent, selective agonist of orphan nuclear **constitutive androstane receptor (CAR)** with EC₅₀ of 49 nM (human CAR) in CAR/SRC-1 FRET assays.

CITCO displayed calculated EC₅₀ values of 25 nM in the CAR transient transfection assay, >100-fold selectivity over PXR, did not have any detectable activity on a panel of 15 nuclear receptors.

CITCO promotes nuclear translocation of human CAR.

CITCO shows robust effects on CAR target genes CYP2B expression in mouse versus human cells.

References

Maglich JM, et al. *J Biol Chem*. 2003 May 9;278(19):17277-83.

Jinno H, et al. *Mol Pharmacol*. 2004 Mar;65(3):496-502.

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

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