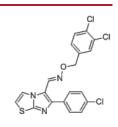


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Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	CITCO
Cat. No.	:	PC-49715
CAS No.	:	338404-52-7
Molecular Formula	:	C ₁₉ H ₁₂ Cl ₃ N ₃ OS
Molecular Weight	:	436.74
Target	:	Constitutive and rostane 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 humanCAR.

CITCO shows robust effects on CAR target genes CYP2B expression in mouse versushuman 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! E-mail: tech@probechem.com