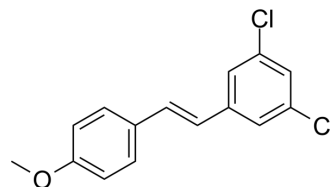


CAY10464

Cat. No.:	HY-112628
CAS No.:	688348-37-0
Molecular Formula:	C ₁₅ H ₁₂ Cl ₂ O
Molecular Weight:	279.16
Target:	Aryl Hydrocarbon Receptor
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CAY10464 (AHR antagonist 7; compound 4j) is a selective and high-affinity aryl hydrocarbon receptor (Ahr) antagonist with a K _i of 1.4 nM ^[1] .
In Vitro	In HepG2 cells, CAY10464 (100 nM) inhibits CYP1A1 mRNA expression, and reverses the suppressive effect of Benzo[a]pyrene on apolipoprotein A-I (apo A-I) gene expression ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Emad Naem, et al. Inhibition of apolipoprotein A-I gene by the aryl hydrocarbon receptor: a potential mechanism for smoking-associated hypoalphalipoproteinemia. *Life Sci.* 2012 Jul 26;91(1-2):64-9.
- [2]. Philippe de Medina, et al. Synthesis and biological properties of new stilbene derivatives of resveratrol as new selective aryl hydrocarbon modulators. *J Med Chem.* 2005 Jan 13;48(1):287-91.

Caution: Product has not been fully validated for medical applications. For research use only.

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