

Product Information

AhR inhibitor, CAY 10465, Purity ≥98%

Cat. No.: X24-09-YM456

Size: 5 mg; 10 mg; 50 mg; 100 mg

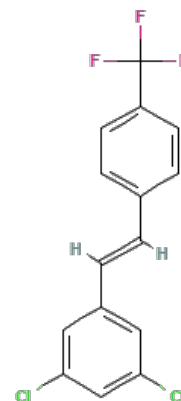
CAS Number: 688348-33-6

Compound CID: 11438491

Synonym: 688348-33-6; CAY10465; CAY-10465;

1,3-Dichloro-5-[(E)-2-[4-(trifluoromethyl)phenyl]ethenyl]benzene; AhR inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	CAY 10465, soluble in DMSO and ethanol and insoluble in water, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting AhR. The molecular weight of the compound is 317.13, and its molecular formula is C ₁₅ H ₉ Cl ₂ F ₃ .
Molecular Weight	317.13
Molecular Formula	C ₁₅ H ₉ Cl ₂ F ₃
IUPAC Name	1,3-Dichloro-5-[(E)-2-[4-(trifluoromethyl)phenyl]ethenyl]benzene
InChI	InChI=1S/C15H9Cl2F3/c16-13-7-11(8-14(17)9-13)2-1-10-3-5-12(6-4-10)15(18,19)20/h1-9H/b2-1+
InChI Key	ISPYNXGXZRLHMOWOJBTEDSA-N
Canonical SMILES	C1=CC(=CC=C1C=CC=CC(=CC(=C2)Cl)Cl)C(F)(F)F
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 55 mg/mL (173.42 mM); Water: insoluble; Ethanol: 35 mg/mL (110.36 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	CAY 10465 displays the significant potential to act as an effective AHR antagonist that has been studied for its effects on immune responses and cancer.
Storage	Store at -20°C, and keep desiccated.