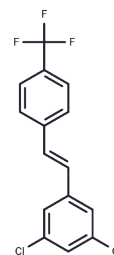


CAY 10465

Chemical Properties

CAS No. : 688348-33-6
 Formula: C₁₅H₉Cl₂F₃
 Molecular Weight: 317.13
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	CAY 10465 is a selective and high-affinity AhR agonist with a K_i of 0.2 nM, and it shows no effect on the estrogen receptor ($K_i > 100000$ nM).
Targets(IC50)	AhR, Aryl Hydrocarbon Receptor

Solubility Information

Solubility	DMSO: 100 mg/mL (315.33 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1533 mL	15.7664 mL	31.5328 mL
5 mM	0.6307 mL	3.1533 mL	6.3066 mL
10 mM	0.3153 mL	1.5766 mL	3.1533 mL
50 mM	0.0631 mL	0.3153 mL	0.6307 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

de Medina P, 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.

Naem E, 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481