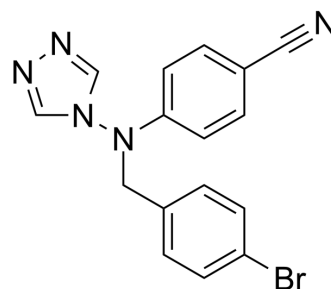


YM511

Cat. No.:	HY-105184
CAS No.:	148869-05-0
Molecular Formula:	C ₁₆ H ₁₂ BrN ₅
Molecular Weight:	354.2
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (705.82 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8233 mL	14.1163 mL	28.2326 mL
	5 mM	0.5647 mL	2.8233 mL	5.6465 mL
	10 mM	0.2823 mL	1.4116 mL	2.8233 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

YM511 is a highly specific non-steroidal aromatase inhibitor. YM511 inhibits aromatase activities in microsomes from rat ovary and human placenta competitively (IC₅₀s of 0.4 and 0.12 nM, respectively). YM511 slightly inhibits production of other steroid hormones. YM511 has the potential for suppressing estrogen-dependent action research without affecting serum levels of other steroid hormones^[1].

IC₅₀ & Target

Aromatase

REFERENCES

[1]. M Kudoh, et al. The potent and selective inhibition of estrogen production by non-steroidal aromatase inhibitor, YM511. J Steroid Biochem Mol Biol. 1995 Sep;54(5-6):265-71.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA