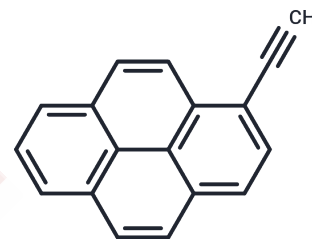


1-Ethynylpyrene

Chemical Properties

CAS No. :	34993-56-1
Formula:	C ₁₈ H ₁₀
Molecular Weight:	226.27
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	1-Ethynylpyrene is an aryl acetylenic inhibitor of CYP450 1A1 (IC ₅₀ = 0.18 μM), 1A2 (IC ₅₀ = 0.32 μM), and 2B1 (IC ₅₀ = 0.04 μM).
Targets(IC ₅₀)	Cytochromes P450
In vitro	The K _i values of 1-Ethynylpyrene against P450 1A2, and 2B1 is 0.32 and 0.04 μM, respectively[1].

Solubility Information

Solubility	DMSO: 3.06 mg/mL (13.52 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4195 mL	22.0975 mL	44.195 mL
5 mM	0.8839 mL	4.4195 mL	8.839 mL
10 mM	0.4419 mL	2.2097 mL	4.4195 mL
50 mM	0.0884 mL	0.4419 mL	0.8839 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.

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