

# 1-Ethynynaphthalene

Catalog No: tcsc0040672



## Available Sizes

Size: 100mg

Size: 500mg



## Specifications

**CAS No:**

15727-65-8

**Formula:**

$C_{12}H_8$

**Pathway:**

Metabolic Enzyme/Protease

**Target:**

Cytochrome P450

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

152.19

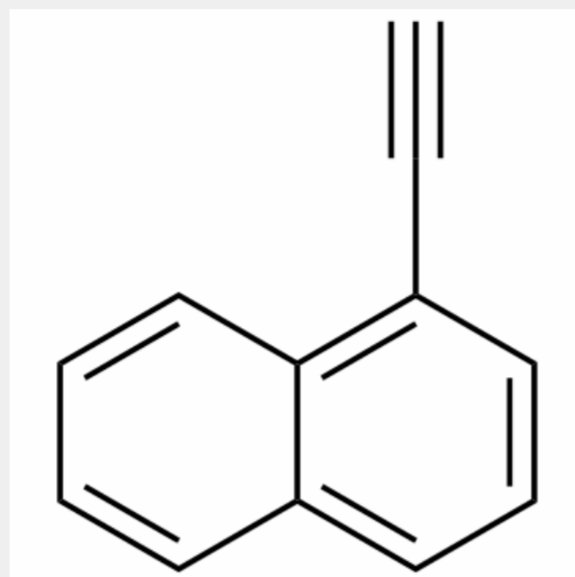
## Product Description

1-Ethynynaphthalene is a selective inhibitor of cytochrome **P450 1B1**.

IC50 & Target: P450 1B1<sup>[1]</sup>

**In Vitro:** 1-Ethynynaphthalene, selective inhibitor of cytochrome P450 1B1, does not affect 2-hydroxylation but inhibits 4-hydroxylation by 38%. At higher concentrations, 1-Ethynynaphthalene inhibits 2-hydroxylation of 2-Hydroxylation of estradiol (E<sub>2</sub>)

by ~30% and 4-hydroxylation of E<sub>2</sub> by up to 80%<sup>[1]</sup>.



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