4-Bromophenylacetylene

Cat. No.: HY-W007542

CAS No.: 766-96-1

Molecular Formula: C_8H_5Br

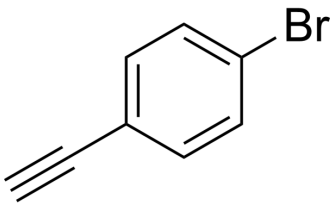
Molecular Weight: 181.03

Target: Biochemical Assay Reagents

Pathway: Others

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (552.39 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	5.5239 mL	27.6197 mL	55.2395 mL
5 mM	1.1048 mL	5.5239 mL	11.0479 mL
10 mM	0.5524 mL	2.7620 mL	5.5239 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (13.81 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (13.81 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (13.81 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

1-Bromo-4-ethynylbenzene is a biochemical reagent that can be used as a biological material or organic compound for life science related research. 4-Bromophenylacetylene is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.

In Vitro

4-Bromophenylacetylene, is used as the starting material for second-order nonlinear optical materials, heterocyclotriynes, and unsymmetrical 1,4-diarylbutadiynes.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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