2-Amino-2-(p-tolyl)acetic acid

Cat. No.: HY-W006187

CAS No.: 13227-01-5

Molecular Formula: $C_9H_{11}NO_2$

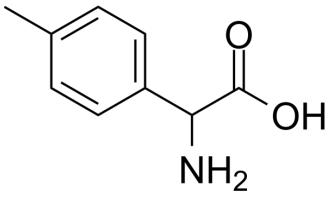
Molecular Weight: 165.19

Target: Glutaminase

Pathway: Metabolic Enzyme/Protease

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 : 50 mg/mL (302.68 mM; Need ultrasonic)

H_2O : 1 mg/mL (6.05 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	6.0536 mL	30.2682 mL	60.5364 mL
5 mM	1.2107 mL	6.0536 mL	12.1073 mL
10 mM	0.6054 mL	3.0268 mL	6.0536 mL

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

BIOLOGICAL ACTIVITY

Description

2-Amino-2-(p-tolyl)acetic acid is used for optimizing azide skeleton, and is the intermediate in the synthesis of 1,3, 4-thiadiazole compounds. 1,3,4-thiadiazole compounds exhibit potential anti-cancer activity, and inhibit glutaminase (GLSI)[1][2].

REFERENCES

[1]. Kalie A M, et al. Cytosolic Delivery of Proteins by Bioreversible Esterification. JAmChem. 2017. 139(41):14396–14398.

[2]. Finlay MRV, et al. Preparation of 1,3,4-thiadiazole compounds and their use in treating cancer: World Intellectual Property Organization, WO2017093301[P]. 2017-06-08.

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