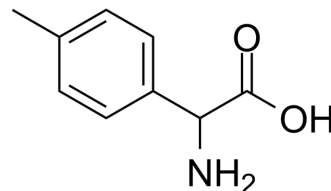


## 2-Amino-2-(p-tolyl)acetic acid

Cat. No.:	HY-W006187		
CAS No.:	13227-01-5		
Molecular Formula:	C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub>		
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



### 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)<sup>[1]</sup> [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.**

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