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Produktinformation



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

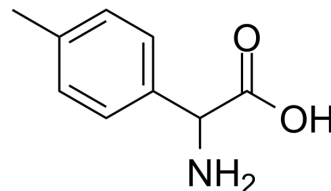
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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

| | | | |
|--------------------|--|-------|----------|
| Cat. No.: | HY-W006187 | | |
| CAS No.: | 13227-01-5 | | |
| Molecular Formula: | C ₉ H 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)
 H₂O : 1 mg/mL (6.05 mM; ultrasonic and warming and heat to 60°C)

| Preparing Stock Solutions | Solvent Concentration | Mass | | |
|---------------------------|--------------------------|-----------|------------|------------|
| | | 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 (GLS)[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