

N-(4-Aminobenzoyl)-L-glutamic Acid (hydrate)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	N-(4-Aminobenzoyl)-L-glutamic acid is an oxidation product and a metabolite of tetrahydrofolate. ¹ Levels of N-(4-aminobenzoyl)-L-glutamic acid are increased in the plasma of mice fed a high folic acid-containing diet. ²
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 1 mg/mL, Sonication is recommended. PBS (pH 7.2): 1 mg/mL, Sonication is recommended. DMF: 1 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Reed, L.S., and Archer, M.C. Oxidation of tetrahydrofolic acid by air. *J. Agric. Food Chem.* 28(4):801-805(1980)Burton, M.A., Antoun, E., Penailillo, R.S., et al. Folic acid induces intake-related changes in the mammary tissue transcriptome of C57BL/6 mice. *Nutrients* 12(9):2821(2020)

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