

Product Data Sheet

Product Name: N-Biotinyl p-aminophenyl arsenic acid

Cat. No.: GC74716

Chemical Properties

Cas. No. 212391-23-6

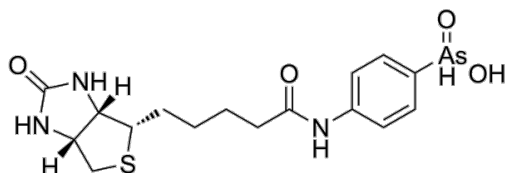
Formula $C_{16}H_{22}AsN_3O_4S$ M.Wt 427.35

Solubility DMSO : 10 mg/mL (23.40 mM); ultrasonic and warming and heat to 60°C) Storage -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

N-Biotinyl p-aminophenyl arsenic acid is a bifunctional reagent that can bind to both streptavidin and dithiols. N-Biotinyl p-aminophenyl arsenic acid decreases the Rbungarotoxin-binding sites in reduced Torpedo nicotinic receptors (IC₅₀ is 10-300 nM), and protects the receptor from irreversible alkylation by bromoacetylcholine.

References:

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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[1]. Moaddel R, et al., Novel biotinylated phenylarsonous acids as bifunctional reagents for spatially close thiols: studies on reduced antibodies and the agonist binding site of reduced Torpedo nicotinic receptors. Bioconjug Chem. 1999 Jul-Aug;10(4):629-37.

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