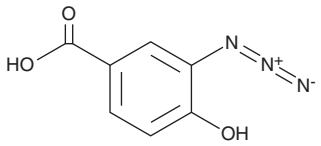
PRODUCT INFORMATION

3-Azido-4-hydroxybenzoic Acid

Item No. 45147

CAS Registry No.: 1393745-16-8
Formal Name: 3-azido-4-hydroxy-benzoic acid
Synonym: 3-Azido *p*HB
MF: $C_7H_5N_3O_3$
FW: 179.1
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

3-Azido-4-hydroxybenzoic acid is supplied as a solid. A stock solution may be made by dissolving the 3-azido-4-hydroxybenzoic acid in the solvent of choice, which should be purged with an inert gas. 3-Azido-4-hydroxybenzoic acid is sparingly soluble (1-10 mg/ml) in ethanol and DMSO.

Description

3-Azido-4-hydroxybenzoic acid is a derivative of the bacterial phenolic glycolipid *p*-hydroxybenzoic acid (*p*HB) that contains an azide group.[1] When applied to bacteria, 3-azido-4-hydroxybenzoic acid is incorporated into the cell surface and has been used in combination with biorthogonal conjugation of a fluorescent probe to visualize phenolic glycolipid in *M. marinum*. 3-Azido-4-hydroxybenzoic acid has also been used as a precursor in the synthesis of photoreactive benzamide probes for histone deacetylase 2 (HDAC2).[2]

References

1. Guzmán, L.E., Cambier, C.J., Cheng, T.-Y., *et al.* Bioorthogonal metabolic labeling of the virulence factor phenolic glycolipid in mycobacteria. *ACS Chem. Biol.* **19(3)**, 707-717 (2024).
2. Vaidya, A.S., Karumudi, B., Mendonca, E., *et al.* Design, synthesis, modeling, biological evaluation and photoaffinity labeling studies of novel series of photoreactive benzamide probes for histone deacetylase 2. *Bioorg. Med. Chem. Lett.* **22(15)**, 5025-5030 (2012).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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