

Product Information

N-Hydroxysuccinimidyl-4-azidobenzoate

Cat. No.: X24-09-YYX145

Size: 500 mg; 1 g

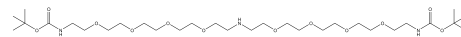
CAS Number: 53053-08-0

PubChem CID: 122153

Synonym: 53053-08-0; N-Hydroxysuccinimidyl-4-azidobenzoate;

4-Azidobenzoyloxysuccinimide; N₃-Ph-NHS ester; HSAB

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	N-Hydroxysuccinimidyl-4-azidobenzoate is a reactive ester that is commonly used for the modification of biomolecules. The azido group provides a handle for further chemical reactions, and the hydroxysuccinimidyl ester allows for conjugation with amino groups. It is valuable in the field of bioconjugation and the synthesis of bioactive molecules.
Molecular Weight	260.2
Molecular Formula	C ₁₁ H ₈ N ₄ O ₄
Functional Group 1	Azide
Functional Group 2	NHS
Functional Group 3	Hydroxyl
Reactive Group 1	Alkynyl
Reactive Group 2	Halohydrocarbon
IUPAC Name	(2,5-Dioxopyrrolidin-1-yl) 4-azidobenzoate
InChI	InChI=1S/C11H8N4O4/c12-14-13-8-3-1-7(2-4-8)11(18)19-15-9(16)5-6-10(15)17/h1-4H,5-6H2
InChI Key	LWAVGNJLLQSNNN-UHFFFAOYSA-N
Canonical SMILES	C1CC(=O)N(C1=O)OC(=O)C2=CC=C(C=C2)N=[N+]=[N-]
Form	Solid
Identity	Confirmed by NMR.
Applications	This reagent is commonly used in bioconjugation and labeling applications. It facilitates the conjugation of biomolecules, such as proteins or peptides, with azides to enable subsequent detection or interaction with other molecules through click chemistry.
Storage	Store at -20°C.

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