Product Information

MBS

Cat. No.: X24-09-YYX138

Size: 250 mg; 500 mg; 1 g **CAS Number:** 58626-38-3

PubChem CID: 93861

Synonym: 58626-38-3; 3-Maleimidobenzoic acid N-hydroxysuccinimide ester; MBS

Crosslinker; 3-Maleimidobenzoyl N-hydroxysuccinimide; N-Succinimidyl

3-Maleimidobenzoate

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

is useful in various applications such as immunoassays, where it helps to create stable conjult can also be used in the modification of enzymes to improve their stability and functionality. Molecular Weight 314.3 Molecular Formula C ₁₉ H ₁₀ N ₂ O ₆ Functional Group 1 Ester Functional Group 2 Maleimide Functional Group 3 None Reactive Group 1 Thiol IUPAC Name (2,5-Dioxopyrrolidin-1-yl) 3-(2,5-dioxopyrrol-1-yl)benzoate InChl InChl=1S/C15H10N2O6/c18-11-4-5-12(19)16(11)10-3-1-2-9(8-10)15(22)23-17-13(20)6-7-14-15-15,8H,6-7H2 InChl Key LLXVXPPXELIDGQ-UHFFFAOYSA-N Canonical SMILES C1CC(=0)N(C1=0)OC(=0)C2=CC(=CC=C2)N3C(=0)C=CC3=O Form Solid Identity Confirmed by NMR. Applications MBS is a crosslinker that reacts with primary amines and can be used to create stable linkage between proteins and other biomolecules. It is utilized in the development of bioconjugates for targeted drug delivery, as well as in immunoassays and other bioanalytical techniques.	Product Information		
Molecular Formula C ₁₅ H ₁₀ N ₂ O ₆ Functional Group 1 Ester Functional Group 2 Maleimide Functional Group 3 None Reactive Group 1 Thiol IUPAC Name (2,5-Dioxopyrrolidin-1-yl) 3-(2,5-dioxopyrrol-1-yl)benzoate InChl InChl=1S/C15H10N2O6/c18-11-4-5-12(19)16(11)10-3-1-2-9(8-10)15(22)23-17-13(20)6-7-14-11-5,8H,6-7H2 InChl Key LLXVXPPXELIDGQ-UHFFFAOYSA-N Canonical SMILES C1CC(=O)N(C1=O)OC(=O)C2=CC(=CC=C2)N3C(=O)C=CC3=O Form Solid Identity Confirmed by NMR. Applications MBS is a crosslinker that reacts with primary amines and can be used to create stable linkage between proteins and other biomolecules. It is utilized in the development of bioconjugates for targeted drug delivery, as well as in immunoassays and other bioanalytical techniques.	Description	MBS is a crosslinking agent that is frequently employed to couple proteins or other biomolecules. It is useful in various applications such as immunoassays, where it helps to create stable conjugates. It can also be used in the modification of enzymes to improve their stability and functionality.	
Functional Group 1 Ester Functional Group 2 Maleimide Functional Group 3 None Reactive Group 1 Thiol IUPAC Name (2,5-Dioxopyrrolidin-1-yl) 3-(2,5-dioxopyrrol-1-yl)benzoate InChI InChI=1S/C15H10N2O6/c18-11-4-5-12(19)16(11)10-3-1-2-9(8-10)15(22)23-17-13(20)6-7-14-15-15,8H,6-7H2 InChI Key LLXVXPPXELIDGQ-UHFFFAOYSA-N Canonical SMILES C1CC(=O)N(C1=O)OC(=O)C2=CC(=CC=C2)N3C(=O)C=CC3=O Form Solid Identity Confirmed by NMR. Applications MBS is a crosslinker that reacts with primary amines and can be used to create stable linkage between proteins and other biomolecules. It is utilized in the development of bioconjugates for targeted drug delivery, as well as in immunoassays and other bioanalytical techniques.	Molecular Weight	314.3	
Functional Group 2 Maleimide Functional Group 3 None Reactive Group 1 Thiol IUPAC Name (2,5-Dioxopyrrolidin-1-yl) 3-(2,5-dioxopyrrol-1-yl)benzoate InChI InChI InChI=1S/C15H10N2O6/c18-11-4-5-12(19)16(11)10-3-1-2-9(8-10)15(22)23-17-13(20)6-7-14-11-5,8H,6-7H2 InChI Key LLXVXPPXELIDGQ-UHFFFAOYSA-N Canonical SMILES C1CC(=O)N(C1=O)OC(=O)C2=CC(=CC=C2)N3C(=O)C=CC3=O Form Solid Identity Confirmed by NMR. Applications MBS is a crosslinker that reacts with primary amines and can be used to create stable linkage between proteins and other biomolecules. It is utilized in the development of bioconjugates for targeted drug delivery, as well as in immunoassays and other bioanalytical techniques.	Molecular Formula	$C_{15}H_{10}N_2O_6$	
Functional Group 3 None Reactive Group 1 Thiol IUPAC Name (2,5-Dioxopyrrolidin-1-yl) 3-(2,5-dioxopyrrol-1-yl)benzoate InChI InChI InChI=1S/C15H10N2O6/c18-11-4-5-12(19)16(11)10-3-1-2-9(8-10)15(22)23-17-13(20)6-7-14-11-5,8H,6-7H2 InChI Key LLXVXPPXELIDGQ-UHFFFAOYSA-N Canonical SMILES C1CC(=O)N(C1=O)OC(=O)C2=CC(=CC=C2)N3C(=O)C=CC3=O Form Solid Identity Confirmed by NMR. Applications MBS is a crosslinker that reacts with primary amines and can be used to create stable linkage between proteins and other biomolecules. It is utilized in the development of bioconjugates for targeted drug delivery, as well as in immunoassays and other bioanalytical techniques.	Functional Group 1	Ester	
Reactive Group 1 Thiol IUPAC Name (2,5-Dioxopyrrolidin-1-yl) 3-(2,5-dioxopyrrol-1-yl)benzoate InChl InChl=1S/C15H10N2O6/c18-11-4-5-12(19)16(11)10-3-1-2-9(8-10)15(22)23-17-13(20)6-7-14 h1-5,8H,6-7H2 InChl Key LLXVXPPXELIDGQ-UHFFFAOYSA-N Canonical SMILES C1CC(=O)N(C1=O)OC(=O)C2=CC(=CC=C2)N3C(=O)C=CC3=O Form Solid Identity Confirmed by NMR. Applications MBS is a crosslinker that reacts with primary amines and can be used to create stable linkage between proteins and other biomolecules. It is utilized in the development of bioconjugates for targeted drug delivery, as well as in immunoassays and other bioanalytical techniques.	Functional Group 2	Maleimide	
IUPAC Name (2,5-Dioxopyrrolidin-1-yl) 3-(2,5-dioxopyrrol-1-yl)benzoate InChI InChI=1S/C15H10N2O6/c18-11-4-5-12(19)16(11)10-3-1-2-9(8-10)15(22)23-17-13(20)6-7-14-10-15,8H,6-7H2 InChI Key LLXVXPPXELIDGQ-UHFFFAOYSA-N Canonical SMILES C1CC(=O)N(C1=O)OC(=O)C2=CC(=CC=C2)N3C(=O)C=CC3=O Form Solid Identity Confirmed by NMR. Applications MBS is a crosslinker that reacts with primary amines and can be used to create stable linkage between proteins and other biomolecules. It is utilized in the development of bioconjugates for targeted drug delivery, as well as in immunoassays and other bioanalytical techniques.	Functional Group 3	None	
InChI InChI=1S/C15H10N2O6/c18-11-4-5-12(19)16(11)10-3-1-2-9(8-10)15(22)23-17-13(20)6-7-14 h1-5,8H,6-7H2 InChI Key LLXVXPPXELIDGQ-UHFFFAOYSA-N Canonical SMILES C1CC(=O)N(C1=O)OC(=O)C2=CC(=CC=C2)N3C(=O)C=CC3=O Form Solid Identity Confirmed by NMR. Applications MBS is a crosslinker that reacts with primary amines and can be used to create stable linkage between proteins and other biomolecules. It is utilized in the development of bioconjugates for targeted drug delivery, as well as in immunoassays and other bioanalytical techniques.	Reactive Group 1	Thiol	
InChI Key LLXVXPPXELIDGQ-UHFFFAOYSA-N Canonical SMILES C1CC(=O)N(C1=O)OC(=O)C2=CC(=CC=C2)N3C(=O)C=CC3=O Form Solid Identity Confirmed by NMR. Applications MBS is a crosslinker that reacts with primary amines and can be used to create stable linkage between proteins and other biomolecules. It is utilized in the development of bioconjugates for targeted drug delivery, as well as in immunoassays and other bioanalytical techniques.	IUPAC Name	(2,5-Dioxopyrrolidin-1-yl) 3-(2,5-dioxopyrrol-1-yl)benzoate	
Canonical SMILES C1CC(=O)N(C1=O)OC(=O)C2=CC(=CC=C2)N3C(=O)C=CC3=O Form Solid Identity Confirmed by NMR. MBS is a crosslinker that reacts with primary amines and can be used to create stable linkage between proteins and other biomolecules. It is utilized in the development of bioconjugates for targeted drug delivery, as well as in immunoassays and other bioanalytical techniques.	InChi	InChl=1S/C15H10N2O6/c18-11-4-5-12(19)16(11)10-3-1-2-9(8-10)15(22)23-17-13(20)6-7-14(17)21, h1-5,8H,6-7H2	
Form Solid Identity Confirmed by NMR. Applications MBS is a crosslinker that reacts with primary amines and can be used to create stable linkage between proteins and other biomolecules. It is utilized in the development of bioconjugates for targeted drug delivery, as well as in immunoassays and other bioanalytical techniques.	InChI Key	LLXVXPPXELIDGQ-UHFFFAOYSA-N	
Identity Confirmed by NMR. MBS is a crosslinker that reacts with primary amines and can be used to create stable linkage between proteins and other biomolecules. It is utilized in the development of bioconjugates for targeted drug delivery, as well as in immunoassays and other bioanalytical techniques.	Canonical SMILES	C1CC(=O)N(C1=O)OC(=O)C2=CC(=CC=C2)N3C(=O)C=CC3=O	
Applications MBS is a crosslinker that reacts with primary amines and can be used to create stable linkage between proteins and other biomolecules. It is utilized in the development of bioconjugates for targeted drug delivery, as well as in immunoassays and other bioanalytical techniques.	Form	Solid	
between proteins and other biomolecules. It is utilized in the development of bioconjugates for targeted drug delivery, as well as in immunoassays and other bioanalytical techniques.	Identity	Confirmed by NMR.	
Storage Storage 20°C	Applications	MBS is a crosslinker that reacts with primary amines and can be used to create stable linkages between proteins and other biomolecules. It is utilized in the development of bioconjugates for targeted drug delivery, as well as in immunoassays and other bioanalytical techniques.	
Storage Store at -20 C.	Storage	Store at -20°C.	

	SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
	Tel: 1-631-637-6119 Email: info@bioglyco.com
© CD BioGlyco. All Rights Reserved.	