

Catalogue Number	Product	Order number / Unit
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7015 SGMIB Precursor

7015.0010: 10 mg per vial
Please inquire for customized filling and bulk quantities.

Precursor for [¹³¹I]SGMIB
N-succinimidyl 4-guanidinomethyl-3-[¹³¹I]iodobenzoate

Molar Mass: 653.31

C₂₆H₃₈N₄O₈Sn

[344791-59-9]

Colourless to off-white solid/foam packaged in dark glass screw cap vials.

Purity: > 95 %

Certificates:

CoA; ¹H NMR spectrum

Chemical Name:

CA index name: Carbamic acid, [[[(1,1-dimethylethoxy)carbonyl]amino]iminomethyl][[4-[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]-2-(trimethylstannyl)phenyl]methyl]-, 1,1-dimethylethyl ester

Synonymes:

N-Succinimidyl 4-[N1,N2-Bis(tert-butyloxycarbonyl)guanidinomethyl]-3-(trimethylstannyl)benzoate; Benzoic acid, 4-[[[(1,1-dimethylethoxy)carbonyl][[(1,1-dimethylethoxy)carbonyl]amino]iminomethyl]amino]methyl]-3-(trimethylstannyl)-, 2,5-dioxo-1-pyrrolidinyl ester; SGMIB Precursor

Literature:

Vaidyanathan G. et al. A Polar Substituent-Containing Acylation Agent for the Radioiodination of Internalizing Monoclonal Antibodies: N-Succinimidyl 4-Guanidinomethyl-3-[¹³¹I]iodobenzoate ([¹³¹I]SGMIB). *Bioconjugate Chem.* 2001, 12, 428-438.

Vaidyanathan G. et al. Synthesis of N-succinimidyl 4-guanidinomethyl-3-[¹³¹I]iodobenzoate: a radioiodination agent for labeling internalizing proteins and peptides. *Nature Protocols* 2007, 2, 282-286.

