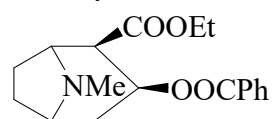




>>Entry Name: Cocaethylene

Synonym(s): Ethyl 3-(benzyloxy)-8-methyl-8-azabicyclo[3.2.1]octane-2-carboxylate, 9Cl



CAS Registry Number: 529-38-4

Molecular Formula: C₁₈H₂₃NO₄

Molecular Weight: 317.384

Accurate Mass: 317.162709

Percentage Composition: C 68.12%; H 7.30%; N 4.41%; O 20.16%

Source/Synthesis: Metab. of Cocaine BCM51-U arising from hepatic transesterification when cocaine and EtOH are used together

Use/Importance: Shares many of the neurochemical properties of cocaine

Physical Description: Cryst. (2-propanol)

Melting Point: Mp 108-109°

>>Derivative: Hydrochloride

CAS Registry Number: 141899-65-2

Melting Point: Mp 147-153°

References:

- Roberts, S.M. *et al.*, *Biochem. Pharmacol.*, 1992, **43**, 1989-1995, (*hepatotox*)
Lewin, A.H. *et al.*, *J. Med. Chem.*, 1992, **35**, 135-140, (*synth, pmr, biochem*)
Brzezinski, M.R. *et al.*, *Synth. Commun.*, 1992, **22**, 1027-1032, (*synth, pmr, hplc*)
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Philips, D.L. *et al.*, *J. Anal. Toxicol.*, 1996, **20**, 305-308, (*detn, glc, hplc*)
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