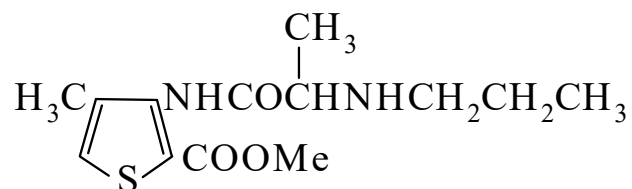




>>Entry Name: Articaine, INN

Synonym(s): Methyl 4-methyl-3-[[1-oxo-2-(propylamino)propyl]amino]-2-thiophenecarboxylate, 9Cl. **Carticaine**, BAN. Hoe 45



CAS Registry Number: 23964-58-1

Molecular Formula: C₁₃H₂₀N₂O₃S

Molecular Weight: 284.379

Accurate Mass: 284.119463

Percentage Composition: C 54.91%; H 7.09%; N 9.85%; O 16.88%; S 11.28%

Use/Importance: Local anaesthetic

Calculated Log P Data: Log P 2.75 (calc)

>>Variant: (±)-form

Molecular Formula: C₁₃H₂₀N₂O₃S

Molecular Weight: 284.379

Accurate Mass: 284.119463

Percentage Composition: C 54.91%; H 7.09%; N 9.85%; O 16.88%; S 11.28%

Boiling Point: Bp_{0.3} 162-167°

>>Derivative: Hydrochloride

Synonym(s): Articaine hydrochloride, USAN. Alphacaine. Septanest. Ultracain. Hoechst 40045

CAS Registry Number: 23964-57-0

Melting Point: Mp 117-118°

References:

South African Pat., 1969, 6 804 265; *CA*, **71**, 91287d, (*synth*)

Den Hertog, A., *Eur. J. Pharmacol.*, 1974, **26**, 175, (*pharmacol*)

Muschaweck, R. *et al.*, *Prakt. Anaesth.*, 1974, **9**, 135; 147; 152; 157, (*pharmacol*)

Borchard, U., *Anaesthesiol. Intensivmed. (Berlin)*, 1978, **113**, 3, (*rev*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 1005