>>**Entry Name: Crotonobetaine**
Synonym(s): 3-Carboxy-*N,N,N*-trimethyl-2-propen-1-aminium hydroxide, inner salt, 9Cl. Crotonbetaine

CAS Registry Number: 927-89-9
$Me_3N^{(+)}CH_2CH=CHCOO^{(-)}$

Molecular Formula: $C_7H_{13}NO_2$
Molecular Weight: 143.185
Accurate Mass: 143.094629
Percentage Composition: C 58.72%; H 9.15%; N 9.78%; O 22.35%
Source/Synthesis: Isol. from brain extract of stressed animals

>>**Derivative:** Hydrochloride

CAS Registry Number: 6538-82-5
Molecular Formula: $C_7H_{14}ClNO_2$
Molecular Weight: 179.646
Percentage Composition: C 46.80%; H 7.85%; Cl 19.73%; N 7.80%; O 17.81%
Physical Description: Prisms
Melting Point: Mp 203-205 dec.°

>>**Derivative:** Picrate

Physical Description: Needles (H_2O)
Melting Point: Mp 187-189°

References:

Bergel, F. *et al.*, *J.C.S.*, 1950, 1439, *(synth, betaine)*
Hosein, E.A.*, Arch. Biochem. Biophys.*, 1963, **100**, 32, *(isol)*
Eneroth, P. *et al.*, *Anal. Biochem.*, 1965, **10**, 377, *(chromatog)*
Japan. Pat., 1986, 61 243 051; *CA*, **106**, 119284t, *(synth)*