



Synonym(s): Tramadol hydrochloride, JAN, USAN. Crispin. Melanate. Tramal. Ultram

CAS Registry Number: 36282-47-0

Extra CAS Registry Numbers(s): 2914-78-5 22204-88-2

Melting Point: Mp 180-182°

>>**Derivative:** *N*-Oxide

Synonym(s): RWJ 38705

CAS Registry Number: 147441-56-3

Molecular Formula: C₁₆H₂₅NO₃

Molecular Weight: 279.378

Accurate Mass: 279.183444

Percentage Composition: C 68.79%; H 9.02%; N 5.01%; O 17.18%

Biological Use/Importance: Shows analgesic activity

Physical Description: Sl. hygroscopic cryst.

Melting Point: Mp 159-160°

Solubility: Sol. H₂O

>>**Variant:** (1*RS*,2*SR*)-form

Synonym(s): (±)-*trans*-form. E 383

Extra CAS Registry Numbers(s): 152538-36-8 181289-58-7 181289-59-8

Molecular Formula: C₁₆H₂₅NO₂

Molecular Weight: 263.379

Accurate Mass: 263.188529

Percentage Composition: C 72.97%; H 9.57%; N 5.32%; O 12.15%

pKa Value: pK_a 9.37

Experimental Log P Data: Log P 2.63 (exp)

>>**Derivative:** Hydrochloride

CAS Registry Number: 53611-16-8

Melting Point: Mp 212°

References:

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