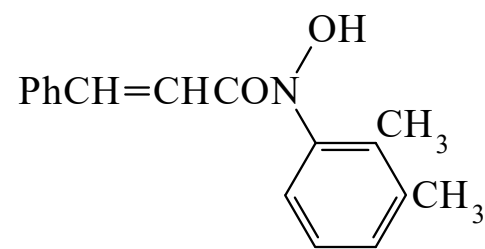




>>Entry Name: *N*-(2,3-Dimethylphenyl)-*N*-hydroxy-3-phenylpropenamide, 9Cl

Synonym(s): *N*-Cinnamoyl-*N*-(2,3-xylyl)hydroxylamine



CAS Registry Number: 69891-38-9

Type of Compound Code(s): PS7700 PA4900 PM6750 PS8300

Molecular Formula: C₁₇H₁₇NO₂

Molecular Weight: 267.327

Accurate Mass: 267.125929

Percentage Composition: C 76.38%; H 6.41%; N 5.24%; O 11.97%

Use/Importance: Used in extraction-photometric detn. of V ($\lambda_{\max}$ 535 nm, ϵ 6600) (from 4-9*M* HCl)

Physical Description: Cryst.

Solubility: Sol. CHCl₃, C₆H₆

References:

Ishizaki, M. *et al.*, *Bunseki Kagaku (Jpn. Anal.)*, 1980, **29**, 135, (*detn.*, *V*)

Yamashige, T. *et al.*, *Bunseki Kagaku (Jpn. Anal.)*, 1980, **29**, 537, (*detn.*, *V*)