



>>Entry Name: **Tris(6-methylheptyl)amine**

Synonym(s): *N,N*-Diisooctylisooctanamine, 8Cl. Triisooctylamine. 6,6',6''-Trimethyltriheptylamine

CAS Registry Number: 25549-16-0

$[(\text{H}_3\text{C})_2\text{CH}(\text{CH}_2)_5]_3\text{N}$

Molecular Formula: $\text{C}_{24}\text{H}_{51}\text{N}$

Molecular Weight: 353.674

Accurate Mass: 353.402149

Percentage Composition: C 81.51%; H 14.53%; N 3.96%

Physical Description: Liq.

Aldrich: 26149-1

Sigma: T9893

>>**Derivative:** Hydrochloride

CAS Registry Number: 25429-07-6

Use/Importance: Used for extraction separation of Co, Mo, U(*VI*)

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 302A, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 386C, (*ir*)

Vieux, A.S. *et al.*, *J. Inorg. Nucl. Chem.*, 1975, **37**, 2313, (*detn*, U)

Krishnan, G.U. *et al.*, *Indian J. Chem., Sect. A*, 1976, **14**, 139, (*detn*, Co)

Vieux, A.S. *et al.*, *Inorg. Chem.*, 1976, **15**, 722, (*detn*, Mo)