



Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 145°

>>**Derivative:** Bisphenylurethane

Melting Point: Mp 139°

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

Synonym(s): *cis*-form

CAS Registry Number: 15753-50-1

Molecular Formula: C₈H₁₆O₂

Molecular Weight: 144.213

Accurate Mass: 144.11503

Percentage Composition: C 66.63%; H 11.18%; O 22.19%

Melting Point: Mp 42-43°

Aldrich: 18908-1

>>**Derivative:** Bis-4-nitrobenzoyl

Physical Description: Pale-yellow powder (Me₂CO/EtOH)

Melting Point: Mp 142°

>>**Derivative:** Bisphenylurethane

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 102°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 156C, (*ir*)

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 243C, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 229B, (*ir*)

Haggis, G.A. *et al.*, *J.C.S.*, 1953, 389-398, (*cis-form, trans-form, synth, resolu*)

Applequist, D.E. *et al.*, *J.O.C.*, 1963, **28**, 48-54, (*abs config*)

Org. Synth., Coll. Vol., 6, 1988, 483-488, (*cis-form, synth*)

McDermott, T.S. *et al.*, *J.O.C.*, 1996, **61**, 700-709, (*1S,2S-form, synth, methanesulfonyl, ir, pmr, cmr*)

Fujimura, O. *et al.*, *J.O.C.*, 1998, **63**, 824-832, (*1S,2S-form, synth, ir, pmr, cmr, ms*)