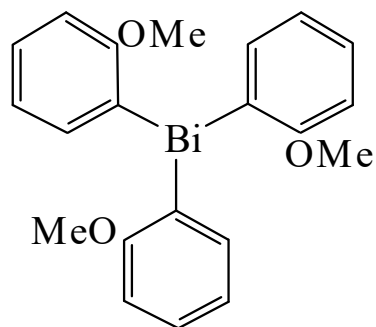




>>Entry Name: Tris(2-methoxyphenyl)bismuthine, 11Cl

Synonym(s): Tri-*o*-anisylbismuthine



CAS Registry Number: 83724-41-8

Molecular Formula: C₂₁H₂₁BiO₃

Molecular Weight: 530.375

Accurate Mass: 530.129444

Percentage Composition: C 47.56%; H 3.99%; Bi 39.40%; O 9.05%

Source/Synthesis: Synth. from BiCl₃ and 2-methoxyphenyllithium

Use/Importance: Used catalytically for synth. of esters and amides from carboxylic acids

Physical Description: Cryst. (CHCl₃ or Me₂CO)

Melting Point: Mp 150-152° (remelting at 167°). Mp 169-170°

Rare Chemicals Library: S81678-7

References:

Supniewski, J.V. *et al.*, *J.A.C.S.*, 1926, **48**, 507, (*synth*)

Levason, W. *et al.*, *J. Coord. Chem.*, 1982, **82**, 53, (*synth, ms*)

Gielen, M. *et al.*, *Org. Mass Spectrom.*, 1984, **19**, 647, (*ms*)

Ogawa, T. *et al.*, *Chem. Lett.*, 1993, 815, (*use*)