



>>Entry Name: **1,3,5-Tris(4-carboxyphenyl)benzene**

Synonym(s): 5'-(4-Carboxyphenyl)-1,1':3',1''-terphenyl-4,4''-dicarboxylic acid, 9Cl. 4,4',4''-s-Phenylenyltribenzoic acid

CAS Registry Number: 50446-44-1

Molecular Formula: $C_{27}H_{18}O_6$

Molecular Weight: 438.436

Accurate Mass: 438.11034

Percentage Composition: C 73.97%; H 4.14%; O 21.90%

Physical Description: Microcryst.

Melting Point: Mp 325° (315-318°)

>>Derivative: Tri-Me ester

Molecular Formula: $C_{30}H_{24}O_6$

Molecular Weight: 480.516

Accurate Mass: 480.15729

Percentage Composition: C 74.99%; H 5.03%; O 19.98%

Physical Description: Cryst. (dioxan)

Melting Point: Mp 244.5-245°

References:

Svirbely, W.J. *et al.*, *J.A.C.S.*, 1959, **81**, 257-263, (*synth, tri-Me ester*)

Woods, G.F. *et al.*, *CA*, 1964, **60**, 5381b, (*synth*)

Weber, E. *et al.*, *J.C.S. Perkin 2*, 1988, 1251-1257, (*synth*)

Jutand, A. *et al.*, *Eur. J. Org. Chem.*, 1998, 1811-1121, (*synth, pmr, cmr, ir*)