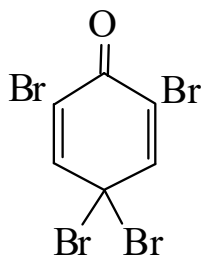




>>Entry Name: 2,4,4,6-Tetrabromo-2,5-cyclohexadien-1-one



CAS Registry Number: 20244-61-5

Molecular Formula:  $C_6H_2Br_4O$

Molecular Weight: 409.697

Accurate Mass: 405.763909

Percentage Composition: C 17.59%; H 0.49%; Br 78.01%; O 3.91%

Use/Importance: Brominating agent, esp. regioselective bromination of polyenes. Oxidises thiols to disulfides

Physical Description: Cryst. ( $CHCl_3$ )

Melting Point: Mp 125-130 dec.°

Aldrich: 30238-4

#### References:

Soerensen, A.M. *et al.*, *Acta Chem. Scand.*, 1968, **22**, 319, (*cryst struct*)

*Org. Synth.*, 1976, **55**, 20, (*synth*)

*Fieser and Fieser's Reagents for Organic Synthesis*, Wiley, 1979, **7**, 351; **10**, 377; **11**, 498; **12**, 457; **13**, 285, (*use*)

Lopez, L. *et al.*, *Chem. Comm.*, 1984, 1266, (*use*)

Yamaguchi, Y. *et al.*, *Tet. Lett.*, 1985, **26**, 343, (*use*)