Product Data Sheet

Product Name: Carbosulfan
Cat. No.: GC32257

Chemical Properties

Cas. No.	55285-14-8		
SMILES	O=C(OC1=C(OC(C)(C)C2)C2=CC=C1)N(SN(CCCC)CCCC)C		
Formula	$C_{20}H_{32}N_2O_3S$	M.Wt	380.54
Solubility	DMSO : ≥ 68 mg/mL (178.69 mM)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

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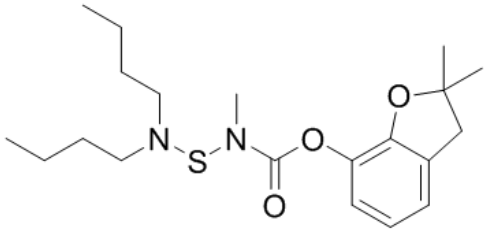
Structure



Background

Carbosulfan inhibited relatively potently CYP3A4 and moderately CYP1A1/2 and CYP2C19 in pooled HLM (human livers). Carbosulfan activation is predominantly catalyzed in humans by CYP3A4.

[1]. Abass K, et al. Metabolism of carbosulfan II. Human interindividual variability in its in vitro hepatic biotransformation and the identification of the cytochrome P450 isoforms involved. Chem Biol Interact. 2010 May 14;185(3):163-173.

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