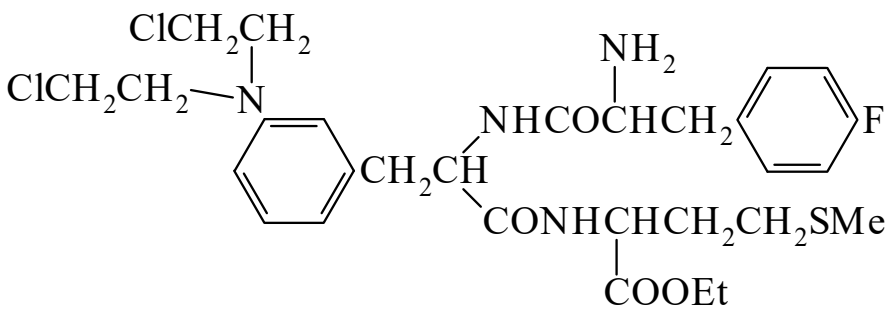
>>**Entry Name: Ambamustine,** INN
Synonym(s): *N*-[3-[Bis(2-chloroethyl)amino]-*N*-(4-fluoro-L-phenylalanyl)-L-phenylalanyl]-L-methionine ethyl ester, 9CI. Blastop. PTT 119



CAS Registry Number: 85754-59-2
Related CAS Registry Numbers(s): 119225-43-3

Molecular Formula: $C_{29}H_{39}Cl_2FN_4O_4S$
Molecular Weight: 629.621
Accurate Mass: 628.205308
Percentage Composition: C 55.32%; H 6.24%; Cl 11.26%; F 3.02%; N 8.90%; O 10.16%; S 5.09%
Use/Importance: Antineoplastic, analgesic, spasmolytic agent
Calculated Log P Data: Log P 3.92 (calc)

>>**Derivative:** Hydrochloride

CAS Registry Number: 83996-50-3
Physical Description: Cryst. (2-propanol)
Melting Point: Mp 180-182°
Optical Rotation: $[\alpha]_D^{20}$+74 (c, 1 in EtOH)
Hazard & Toxicity: LD_{50} (rat, ipr) 9.2 mg/kg. Mutagen

References:

De Barbieri, A. *et al.*, *Farmaco, Ed. Sci.*, 1983, **38**, 205; 1984, **39**, 26, *(synth, pharmacol)*
Roboz, J. *et al.*, *Pharmacology*, 1985, **30**, 47, *(pharmacol)*
Allegrucci, M. *et al.*, *Immunopharmacol. Immunotoxicol.*, 1987, **9**, 71, *(pharmacol)*
Yagi, M.J. *et al.*, *Chemotherapy (Basel)*, 1988, **34**, 61, *(pharmacol)*
Springolo, V. *et al.*, *J. Chromatogr.*, 1989, **490**, 224, *(hplc)*
Gherlinzoni, F. *et al.*, *Blut*, 1990, **60**, 172, *(clin trial)*

https://www.baizuoyan.com - CopyRight ©baizuoyan