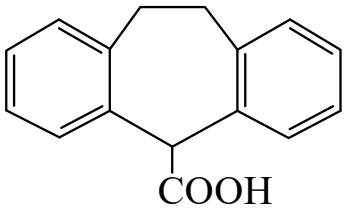
>>**Entry Name: 10,11-Dihydro-5*H*-dibenzo[*a,d*]cycloheptene-5-carboxylic acid,** 9CI, 8CI
Synonym(s): Dibenzo[*a*,*d*]cycloheptadiene-5-carboxylic acid. 5*H*-Dibenzo[*a*,*d*]cycloheptane-5-carboxylic acid. Suberane-5-carboxylic acid



CAS Registry Number: 5018-91-7

Molecular Formula: $C_{16}H_{14}O_2$
Molecular Weight: 238.285
Accurate Mass: 238.09938
Percentage Composition: C 80.65%; H 5.92%; O 13.43%
Physical Description: Needles (CH_2Cl_2)
Melting Point: Mp 237-238°

>>**Derivative:** Amide
Synonym(s): Cyheptamide, INN, USAN**.** AY 8682. BS 7029. ICI 51426

CAS Registry Number: 7199-29-3

Molecular Formula: $C_{16}H_{15}NO$
Molecular Weight: 237.301
Accurate Mass: 237.115364
Percentage Composition: C 80.98%; H 6.37%; N 5.90%; O 6.74%
Use/Importance: Anticonvulsant
Physical Description: Long needles (MeCN)
Melting Point: Mp 193-194°
Calculated Log P Data: Log P 2.5 (calc)
Hazard & Toxicity: LD_{50} (rat, orl) 2400 mg/kg

Sigma: C4080

>>**Derivative:** Chloride

Molecular Formula: $C_{16}H_{13}ClO$
Molecular Weight: 256.731
Accurate Mass: 256.065492
Percentage Composition: C 74.86%; H 5.10%; Cl 13.81%; O 6.23%
Melting Point: Mp 71-72°

>>**Derivative:** Tropine ester
Synonym(s): Cyheptropine, INN**.** 8-Methyl-8-azabicyclo[3.2.1]oct-3-yl 10,11-dihydro-5*H*-dibenzo[*a,d*]cycloheptene-5-carboxylate. BS 7042

CAS Registry Number: 602-40-4

Molecular Formula: $C_{24}H_{27}NO_2$
Molecular Weight: 361.483
Accurate Mass: 361.204179
Percentage Composition: C 79.74%; H 7.53%; N 3.87%; O 8.85%
Use/Importance: Antiarrhythmic agent
Development Status: Never marketed
Calculated Log P Data: Log P 4.25 (calc)

>>**Derivative:** Tropine ester; hydrochloride

CAS Registry Number: 10123-16-7
Melting Point: Mp 272-275°

>>**Derivative:** Tropine ester, maleate

Melting Point: Mp 175-177°

References: