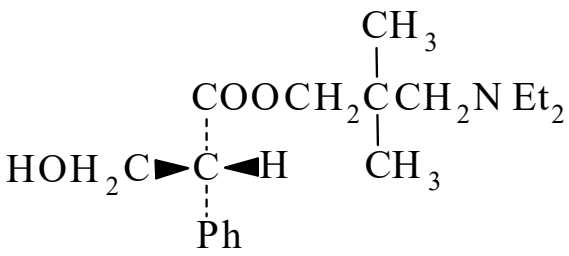
>> **Name: Amprotropine**

Synonym(s): 3-(Diethylamino)-2,2-dimethylpropyl α-(hydroxymethyl)benzeneacetate, 9CI. 3-Diethylamino-2,2-dimethylpropyl tropate, 8CI



(*R*)-*form*

CAS Registry Number: 148-32-3

Molecular Formula: $C_{18}H_{29}NO_3$
Molecular Weight: 307.432
Accurate Mass: 307.214744
Percentage Composition: C 70.32%; H 9.51%; N 4.56%; O 15.61%
Use/Importance: Antispasmodic, anticholinergic agent
Calculated Log P Data: Log P 2.51 (calc)

>>**Variant:** (*R*)-form

Molecular Formula: $C_{18}H_{29}NO_3$
Molecular Weight: 307.432
Accurate Mass: 307.214744
Percentage Composition: C 70.32%; H 9.51%; N 4.56%; O 15.61%

>>**Derivative:** Hydrochloride

Optical Rotation: $[\alpha]_D$ +37

>>**Variant:** (*S*)-form

Molecular Formula: $C_{18}H_{29}NO_3$
Molecular Weight: 307.432
Accurate Mass: 307.214744
Percentage Composition: C 70.32%; H 9.51%; N 4.56%; O 15.61%

>>**Derivative:** Hydrochloride

Optical Rotation: $[\alpha]_D$ –37

>>**Variant:** (±)-form

Molecular Formula: $C_{18}H_{29}NO_3$
Molecular Weight: 307.432
Accurate Mass: 307.214744
Percentage Composition: C 70.32%; H 9.51%; N 4.56%; O 15.61%

>>**Derivative:** Phosphate
Synonym(s): Amprotropine phosphate. Syntropan. AP 407

CAS Registry Number: 134-53-2
Physical Description: Bitter cryst.
Melting Point: Mp 142-145°
Other Data: Aq. soln. acid to litmus
Hazard & Toxicity: LD_{50} (rat, ivn) 43 mg/kg

References:

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