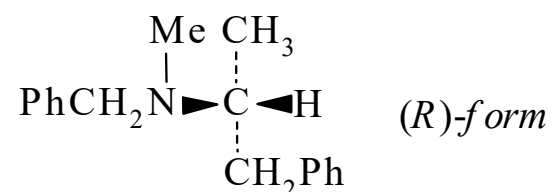




>>Entry Name: Benzfetamine, INN

Synonym(s): *N*, α -Dimethyl-*N*-(phenylmethyl)benzeneethanamine, 9CI. *N*-Benzyl-*N*, α -dimethylphenethylamine. Benzphetamine, BAN



CAS Registry Number: 101-47-3

Molecular Formula: C₁₇H₂₁N

Molecular Weight: 239.36

Accurate Mass: 239.167399

Percentage Composition: C 85.31%; H 8.84%; N 5.85%

Use/Importance: CNS stimulant. Anorectic agent. Used to characterise cytochrome P-450 isoenzymes

Development Status: No longer marketed

Calculated Log P Data: Log P 4.13 (calc)

>>Variant: (*R*)-form

CAS Registry Number: 26097-55-2

Molecular Formula: C₁₇H₂₁N

Molecular Weight: 239.36

Accurate Mass: 239.167399

Percentage Composition: C 85.31%; H 8.84%; N 5.85%

Physical Description: Oil

Boiling Point: Bp_{0.9} 155-156°

>>Derivative: Hydrochloride

CAS Registry Number: 28646-36-8

Melting Point: Mp 131-132°

>>Variant: (*S*)-form

CAS Registry Number: 156-08-1

Molecular Formula: C₁₇H₂₁N

Molecular Weight: 239.36

Accurate Mass: 239.167399

Percentage Composition: C 85.31%; H 8.84%; N 5.85%

Physical Description: Oil

Boiling Point: Bp_{0.2} 127°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +45$ (c, 10 in EtOH)

Other Data: Pharmacol. active isomer

Hazard & Toxicity: LD₅₀ (rat, orl) 160 mg/kg

>>Derivative: Hydrochloride

Synonym(s): Didrex. Inapetyl. U 0441

CAS Registry Number: 5411-22-3

Melting Point: Mp 129-130°

Sigma: B8263

>>Derivative: *N*-Oxide

Molecular Formula: C₁₇H₂₁NO

Molecular Weight: 255.359

Accurate Mass: 255.162314

Percentage Composition: C 79.96%; H 8.29%; N 5.49%; O 6.27%

Physical Description: Cryst. (EtOAc) (as hydrochloride)

Melting Point: Mp 113-115° (hydrochloride)

Optical Rotation: $[\alpha]_{\text{D}}^{20} +32$ (c, 3 in H₂O)

Other Data: CAS no. refers to hydrochloride