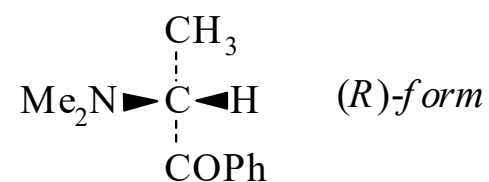




>>Entry Name: **Metamfepramone**, INN

Synonym(s): 2-(Dimethylamino)-1-phenyl-1-propanone, 9CI. α -Dimethylaminopropiophenone. **Dimepropion**, BAN. Effilone. Medulor. Metamfepyrnone. MG 559



CAS Registry Number: 15351-09-4

Molecular Formula: $\text{C}_{11}\text{H}_{15}\text{NO}$

Molecular Weight: 177.246

Accurate Mass: 177.115364

Percentage Composition: C 74.54%; H 8.53%; N 7.90%; O 9.03%

Use/Importance: Anorexic and analeptic agent

Calculated Log P Data: Log P 1.6 (calc)

>>Variant: (R)-form

CAS Registry Number: 65528-82-7

Molecular Formula: $\text{C}_{11}\text{H}_{15}\text{NO}$

Molecular Weight: 177.246

Accurate Mass: 177.115364

Percentage Composition: C 74.54%; H 8.53%; N 7.90%; O 9.03%

Physical Description: Oil

Optical Rotation: $[\alpha]_{\text{D}}^{20} +66$ (neat) (calcd)

>>Variant: (S)-form

CAS Registry Number: 35026-77-8

Molecular Formula: $\text{C}_{11}\text{H}_{15}\text{NO}$

Molecular Weight: 177.246

Accurate Mass: 177.115364

Percentage Composition: C 74.54%; H 8.53%; N 7.90%; O 9.03%

Optical Rotation: $[\alpha]_{\text{D}}^{26} -60$

>>Derivative: Hydrochloride

Physical Description: Prisms

Melting Point: Mp 197-199°

Optical Rotation: $[\alpha]_{\text{D}}^{26} -52.5$

>>Variant: ($\pm$)-form

CAS Registry Number: 65331-01-3

Molecular Formula: $\text{C}_{11}\text{H}_{15}\text{NO}$

Molecular Weight: 177.246

Accurate Mass: 177.115364

Percentage Composition: C 74.54%; H 8.53%; N 7.90%; O 9.03%

Physical Description: Oil

Boiling Point: Bp₁₃ 126°

>>Derivative: Hydrochloride

Melting Point: Mp 202-204°

>>Derivative: Picrate

Physical Description: Yellow needles (MeOH)

Melting Point: Mp 128-130°

References: