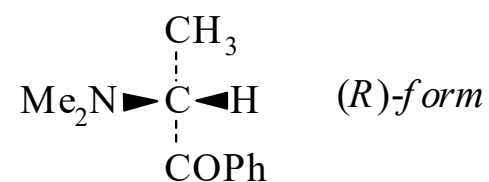




>>Entry Name: **Metamfepramone**, INN

**Synonym(s):** 2-(Dimethylamino)-1-phenyl-1-propanone, 9Cl.  $\alpha$ -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:** Bp<sub>13</sub> 126°

>>Derivative: Hydrochloride

**Melting Point:** Mp 202-204°

>>Derivative: Picrate

**Physical Description:** Yellow needles (MeOH)

**Melting Point:** Mp 128-130°

**References:**