



Formula: C<sub>13</sub>H<sub>24</sub>O<sub>3</sub>

MW: 228.33

CAS: 59259-38-0

TNP NUMBER: TNP00537

MDL NUMBER: MFCD06670653

IUPAC: (2S,1R,5R)-5-methyl-2-(methylethyl)cyclohexyl (2R)-2-hydroxypropanoate

Smiles: C1[C@H](C[C@@H](OC([C@@H](C)O)=O)[C@@H](C1)C(C)C)C

(-)-Menthyl lactate 98% (WO/1996/014840) USE OF MENTHYL LACTATE AS A PAIN RELIEVER, Used in chewing gum, breath mints, candy, oral care products, toothpaste, mouthwash and oral sprays.

THERAPEUTIC CATEGORY: A PAIN RELIEVER

ACCEPTORS: 3

DONORS: 1

ROTATION BONDS: 2

N+O: 3

Chiral Centers: 4

LogP: 3.78

LogS: -4.13

LIPINSKI: 4

Synonyms: [1R-[1A(R\*), 2BETA,5A]]-2-HYDROXYPROPANOIC ACID,5-METHYL-2-(1-METHYLETHYL) CYCLOHEXYL ESTER;FEMA 3748;LACTIC ACID MENTHYL ESTER;2beta,5alpha]]-a-[1alpha(theta;2-hydroxy-,5-methyl-2-(1-methylethyl)cyclohexylester,[1 R-[1.alpha.(R\*),2.beta.,5.alpha.]]-Propanoicacid;propanoicacid,2-hydroxy-,5-methyl-2-(1-methyl ethyl)cyclohexylester,[1thet;[1R-[1alpha(R\*),2beta,5alpha]]-5-methyl-2-(1-methylethyl)cyclohexyl lactate;(-)-MENTHYL LACTATE 98%

CAS:59259-38-0

MF:C13H24O3

MW:228.33

EINECS:261-678-3

Product Categories:chiral;Biochemistry;Monocyclic Monoterpenes;Terpenes (-)-Menthyl lactate

Chemical Properties: mp 40 C alpha -74 (c=10, EtOH) FEMA 3748 refractive index -80 (C=5, MeOH) Fp 128 C Water Solubility SLIGHTLY SOLUBLE

CAS DataBase Reference: 59259-38-0(

CAS DataBase Reference: )

Safety Information: Safety Statements 24/25 (-)-Menthyl lactate (-)-Menthyl lactate

Usage And Synthesis:

Chemical Properties: white to light yellow crystal powde (-)-Menthyl lactate

