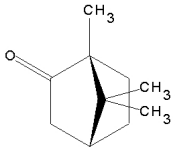


Formula: C10H16O

MW: 152.24

CAS: 464-49-3

TNP NUMBER: TNP00404

MDL NUMBER: MFCD00074738

IUPAC: (1R,4R)-1,7,7-trimethylbicyclo[2.2.1]heptan-2-one

Smiles: C1([C]2(C)C([C@@H](C1)CC2)(C)C)=O

D(+)-Camphor 97%

THERAPEUTIC CATEGORY: Topical antiinfective, topical antipruritic

VET THERAP CATEGORY: Carminative, antiseptic, antipruritic

REFERENCE: Merck 12, 1779

SOURCE: Occurs in all parts of camphor tree

ACCEPTORS: 1

DONORS: 0

ROTATION BONDS: 0

N+O: 1

Chiral Centers: 2

LogP: 2.91

LogS: -3.58

LIPINSKI: 4

Synonyms:
(1r,4r)-(+)-campho;1,7,7-trimethyl-,(1R)-Bicyclo[2.2.1]heptan-2-one;7,7-trimethyl-(1r)-bicyclo(2.2.1)heptan-2-on;7,7-trimethyl-(1theta)-bicyclo[2.2.1]heptan-2-on;Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1R)-;bicyclo[2.2.1]heptan-2-one,1,7,7-trimethyl-,(1R)-;Camphor usp;CAMPHOR, (1R,4R)-(+)-

CAS:464-49-3

MF:C10H16O

MW:152.23

EINECS:207-355-2

Product Categories:Food and Feed Additive;Bicyclic Monoterpenes;Biochemistry;Camphor, etc. (Plasticizer);Functional Materials;Plasticizer;Terpenes;Alphabetical Listings;C-D;Flavors and Fragrances  D-CAMPHOR

Chemical Properties:  mp 179-181 C(lit.) bp 204 C density 0,99 g/cm3 vapor density 5.24 (vs air) vapor pressure 4 mm Hg ( 70 C) refractive index 44.5  (C=20, EtOH) FEMA 2230 Fp 148 F Merck 14,1732 BRN 2042745 Stability:Stable. Incompatible with strong reducing agents, strong oxidizing agents, chlorinated solvents. Protect from direct sunlight.

CAS DataBase Reference: 464-49-3(

CAS DataBase Reference: )  F,Xn,Xi Risk Statements 11-22-36/37/38-20/21/22-36 Safety Statements 16-26-36-37/39 RIDADR UN 2717 4.1/PG 3 WGK Germany 1 RTECS EX1260000 HazardClass 4.1 PackingGroup III  D-CAMPHOR

Usage And Synthesis:

Chemical Properties: white crystals General DescriptionColorless or white crystals. Sublimes. Flash point 149F. Burns readily with a bright, smoky flame. Penetrating aromatic odor. Pungent, aromatic taste followed by a sensation of cold. Air & Water ReactionsFlammable. Insoluble in water. Reactivity ProfileD-CAMPHOR is incompatible with strong oxidizing agents, strong reducing agents and chlorinated solvents. Fire HazardD-CAMPHOR is combustible. D-CAMPHOR