



Formula: C<sub>13</sub>H<sub>10</sub>O<sub>3</sub>

MW: 214.22

CAS: 118-55-8

MDL NUMBER: MFCD00002213

IUPAC: phenyl 2-hydroxybenzoate

Smiles: C(c1c(O)cccc1)(Oc1ccccc1)=O

THERAPEUTIC CATEGORY: Analgesic, antipyretic, anti-inflammatory

VET THERAP CATEGORY: antipyretic, antiseptic

ACCEPTORS: 3

DONORS: 1

ROTATION BONDS: 3

N+O: 3

Chiral Centers: 0

LogP: 3.78

LogS: -4

LIPINSKI: 4

Synonyms:

2-hydroxy-benzoic acid phenyl ester; 2-Phenoxy carbonyl phenol; Benzoic acid, 2-hydroxy-, phenyl ester; Fenylester kyseliny salicylove; fenylester kyseliny salicylove; Musol; Phenol salicylate; Salphenyl

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EINECS: 204-259-2

Product Categories: Aromatic Esters; Functional Materials; Liquid Crystals & Related Compounds; Phenyl Esters (Liquid Crystals) Phenyl salicylate

Chemical Properties: mp 41-43 C(lit.) bp 172-173 C/12 mm Hg(lit.) density 1.250g/cm<sup>3</sup> FEMA 3960 Fp >230 F solubility dioxane: 0.1 g/mL, clear, colorless Merck 14,7310 BRN 393969 Stability: Light sensitive. Incompatible with strong oxidants. Flammable.

CAS DataBase Reference: 118-55-8(

CAS DataBase Reference: ) NIST Chemistry Reference Benzoic acid, 2-hydroxy-, phenyl ester(118-55-8) EPA Substance Registry System Benzoic acid, 2-hydroxy-, phenyl ester(118-55-8) Xi Risk Statements 36/37/38 Safety Statements 26-36-24/25 WGK Germany 2 RTECS VO6125000 Disperse Dye Blue EXSF Phenyl salicylate

Usage And Synthesis:

Chemical Properties: white crystalline solid with an aromatic odour General Description White crystals. Insoluble in water. Air & Water Reactions Insoluble in water. Reactivity Profile Incompatible with bromine water, ferric salts, camphor, phenol, chloral hydrate, monobrominated camphor, thymol, or urethane in trituration. . Fire Hazard Flash point data for Phenyl salicylate are not available, however Phenyl salicylate is probably combustible. Phenyl salicylate

