



LKT Laboratories, Inc.

## Methyl Salicylate

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### Product Information

**Product ID** M1979

**CAS No.** 119-36-8

**Chemical Name** 2-Hydroxybenzoic acid methyl ester

**Synonym** Wintergreen Oil, Betula Oil, Sweet Birch Oil

**Formula** C<sub>8</sub>H<sub>8</sub>O<sub>3</sub>

**Formula Wt.** 152.15

**Melting Point** -8.6 °C

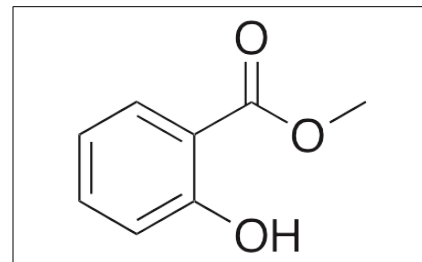
**Purity** ≥98%

**Solubility** Sparingly soluble in water.  
Soluble in chloroform and ether.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Methyl salicylate can be found in *Spiraea*, *Betula*, and *Gaultheria*; it exhibits analgesic activity. Methyl salicylate is commercially used as an antiseptic, a wintergreen flavorant/tastant, and as a fragrance. In vitro, methyl salicylate displays both agonist and antagonist activity at transient receptor potential vanilloid 1 (TRPV1) channels. Metabolites of methyl salicylate exhibit anti-inflammatory and analgesic activities in vivo similar to those displayed by most non-steroidal anti-inflammatory drugs (NSAIDs).



### Pricing and Availability

**Bulk quantities available upon request**

| Product ID | Size   | List Price |
|------------|--------|------------|
| M1979      | 250 ml | \$36.80    |
| M1979      | 500 ml | \$63.00    |
| M1979      | 1 L    | \$102.90   |

**References** Tieman D, Zeigler M, Schmelz E, et al. Functional analysis of a tomato salicylic acid methyl transferase and its role in synthesis of the flavor volatile methyl salicylate. *Plant J.* 2010 Apr 1;62(1):113-23. PMID: 20070566.

Ohta T, Imagawa T, Ito S. Involvement of transient receptor potential vanilloid subtype 1 in analgesic action of methylsalicylate. *Mol Pharmacol.* 2009 Feb;75(2):307-17. PMID: 18987162.

James DG, Price TS. Field-testing of methyl salicylate for recruitment and retention of beneficial insects in grapes and hops. *J Chem Ecol.* 2004 Aug;30(8):1613-28. PMID: 15537163.

Mason L, Moore RA, Edwards JE, et al. Systematic review of efficacy of topical rubefacients containing salicylates for the treatment of acute and chronic pain. *BMJ.* 2004 Apr 24;328(7446):995. PMID: 15033879.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.