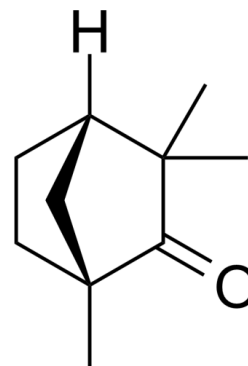


## Data Sheet

<b>Product Name:</b>	(-)-Fenchone
<b>Cat. No.:</b>	CS-0032516
<b>CAS No.:</b>	7787-20-4
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>16</sub> O
<b>Molecular Weight:</b>	152.23
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Solubility:</b>	DMSO : 100 mg/mL (656.90 mM; Need ultrasonic)



### BIOLOGICAL ACTIVITY:

(-)-Fenchone, a bicyclic monoterpene, is widely distributed in plants and found in essential oils from *Thuja occidentalis*. (-)-Fenchone is oxidized to 6-endo-hydroxyfenchone, 6-exo-hydroxyfenchone and 10-hydroxyfenchone derivatives by CYP2A6 and CYP2B6 in human liver microsomes with CYP2A6 playing a more important role than CYP2B6<sup>[1]</sup>.

### References:

[1]. Miyazawa M, et al. Metabolism of (-)-fenchone by CYP2A6 and CYP2B6 in human liver microsomes. *Xenobiotica*. 2007;37(2):194-204.

### CAIndexNames:

Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-, (1R,4S)-

### SMILES:

O=C1[C@](C2)(C)CC[C@]2([H])C1(C)C

**Caution: Product has not been fully validated for medical applications. For research use only.**

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