

Pentane, 2,2,4-trimethyl- - Microsoft Internet Explorer

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NIST
National Institute of Standards and Technology

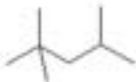
Standard Reference
Data Program

Data
Gateway

Online
Databases

Chemistry
WebBook

Pentane, 2,2,4-trimethyl-

- **Formula:** C₈H₁₈
- **Molecular weight:** 114.23
- **IUPAC International Chemical Identifier:**
 - InChI=1/C8H18/c1-7(2)6-8(3,4)5/h7H,6H2,1-5H3
 - [Download the identifier in a file.](#)
- **CAS Registry Number:** 540-84-1
- **Chemical structure:**


This structure is also available as a [2d Mol file](#) or as a [computed 3d Mol file](#).

- **Other names:** Isooctane; Isobutyltrimethylmethane; 2,2,4-Trimethylpentane; (CH₃)₂CHCH₂C(CH₃)₃; Isobutyltrimethylethane; UN 1262
- **Information on this page:**
 - [Notes / Error Report](#)
- **Other data available:**
 - [Gas phase thermochemistry data](#)
 - [Condensed phase thermochemistry data](#)
 - [Phase change data](#)
 - [Reaction thermochemistry data](#)
 - [Henry's Law data](#)
 - [Gas phase ion energetics data](#)
 - [IR Spectrum](#)
 - [Mass Spectrum](#)
 - [Gas Chromatography](#)
- **Data at other NIST sites:**
 - [Gas phase kinetics \(on kinetics web site\)](#)
- **Options:**
 - [Switch to calorie-based units](#)

Notes / Error Report

Internet

Figure 4 — Link from MatML document to NIST Chemistry WebBook using CASN.