



>>Entry Name: **2,2-Bis(ethylsulfonyl)butane**

Synonym(s): **Sulfonethylmethane**. Trional. Methylsulfonal. Dithan. Trionalone. Ethylsulfonal. Metilosulfonal

CAS Registry Number: 76-20-0

$\text{H}_3\text{CCH}_2\text{C}(\text{CH}_3)(\text{SO}_2\text{Et})_2$

Molecular Formula: $\text{C}_8\text{H}_{18}\text{O}_4\text{S}_2$

Molecular Weight: 242.36

Accurate Mass: 242.06465

Percentage Composition: C 39.65%; H 7.49%; O 26.41%; S 26.46%

General Statement: Addictive

Use/Importance: Hypnotic agent

Physical Description: Lustrous leaflet, bitter-tasting

Melting Point: Mp 74-76°

Calculated Log P Data: Log P 0.1 (calc)

Rare Chemicals Library: S56645-4

References:

Fromm, E., *Annalen*, 1889, **253**, 135, (*synth*)

Oelkers, H.A., *Arch. Exp. Pathol. Pharmacol.*, 1940, **196**, 493, (*pharmacol*)

Martindale, *The Extra Pharmacopoeia*, 28th/29th edn., *Pharmaceutical Press*, 1982, 4051

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, BJT750