

Product Name: Mutilin

Product Number: M071

CAS Number: 6040-37-5

Molecular Formula: $C_{20}H_{32}O_3$

Molecular Weight: 320.5

Appearance: White solid

Storage Conditions: -20°C

Description: Mutilin is minor metabolite of the pleuromutilin family, originally isolated from *Pleurotus mutilus*. Mutilin is formed by hydrolysis of the hydroxyacetyl ester of pleuromutilin, and is a degradation product and in vivo metabolite of pleuromutilin. Interest in mutilin has focused on its potential as a substrate for generating unique metabolites via biosynthesis to provide a broader range of targets for semi-synthetic modification.

Mutilin is soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

References: Chemical studies with pleuromutilin. Anchel M. J. Biol. Chem 1952, 199, 133.

Hydroxylation of mutilin by *Streptomyces griseus* and *Cunninghamella echinulata*. Hanson R.L. et al. Org. Pro. Res. Dev. 2002, 6, 482.