



LKT Laboratories, Inc.

## Myclobutanil

Phone: 888-558-5227  
651-644-8424  
Fax: 888-558-7329  
Email: [getinfo@lctlabs.com](mailto:getinfo@lctlabs.com)  
Web: [lctlabs.com](http://lctlabs.com)

### Product Information

**Product ID** M9608

**CAS No.** 88671-89-0

**Chemical Name**  $\alpha$ -Butyl- $\alpha$ -(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile

**Synonym** Nova, Rally, Systhane

**Formula** C<sub>15</sub>H<sub>17</sub>ClN<sub>4</sub>

**Formula Wt.** 288.78

**Melting Point** 63-68°C

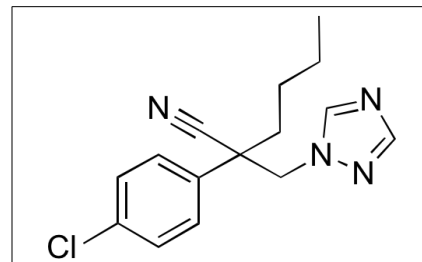
**Purity**  $\geq$ 97%

**Solubility** Soluble in water and aromatic hydrocarbons.  
Insoluble in aliphatic hydrocarbons.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Myclobutanil is an antifungal compound that suppresses ergosterol and fungal cell wall synthesis by inhibiting sterol 14 $\alpha$  demethylase. Myclobutanil also weakly inhibits testosterone production in mammals.



**Bulk quantities available upon request**

Product ID	Size
M9608	5 g
M9608	10 g
M9608	50 g

**References** Goetz AK, Rockett JC, Ren H, et al. Inhibition of rat and human steroidogenesis by triazole antifungals. Syst Biol Reprod Med. 2009 Dec;55(5-6):214-26. PMID: 19938956.

Schnabel G, Jones AL. The 14 $\alpha$ -Demethylase(CYP51A1) Gene is Overexpressed in Venturia inaequalis Strains Resistant to Myclobutanil. Phytopathology. 2001 Jan;91(1):102-10. PMID: 18944284.

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