

## Tebuconazole-d4

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Tebuconazole-d4 is the deuterium-labeled form of Tebuconazole. Tebuconazole, an orally active triazole fungicide, inhibits CYP51, with IC50 values of 0.9 $\mu$ M for <i>Candida albicans</i> CYP51 (CaCYP51) and 1.3 $\mu$ M for the truncated human CYP51 ( $\Delta$ 60HsCYP51). It induces lipid accumulation and oxidative stress in HepG2 cells, reduces viability and proliferation of MAC-T cells, triggers endoplasmic reticulum stress-mediated apoptosis, and increases oxidative stress in MAC-T cells.
Targets(IC50)	Apoptosis

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481