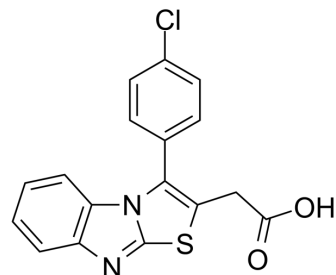


## Tilomisole

Cat. No.:	HY-106050
CAS No.:	58433-11-7
Molecular Formula:	C <sub>17</sub> H <sub>11</sub> ClN <sub>2</sub> O <sub>2</sub> S
Molecular Weight:	342.8
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Tilomisole (Wy 18251) is a benzimidazole experimental drug with anti-inflammatory activity. Tilomisole causes less agranulocytosis than levamisole, but retains immunomodulating capabilities. Tilomisole is orally active. Tilomisole has the potential for the research of cancer and inflammation<sup>[1][2]</sup>.

### REFERENCES

- [1]. Dillman RO, et al. WY 18,251 (Tilomisole), an analog of levamisole: tolerability, and immune modulating effects in cancer patients. *Mol Biother.* 1992;4(1):10-14.
- [2]. Darwish SA, et al. New tilomisole-based benzimidazole derivatives as anti-inflammatory agents: Synthesis, in vivo, in vitro evaluation, and in silico studies [published online ahead of print, 2022 Jan 29]. *Bioorg Chem.* 2022;120:105644.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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