

# Amicarbazone

**Catalog No: tcsc3300**



## Available Sizes

**Size:** 10mg

**Size:** 100mg



## Specifications

**CAS No:**

129909-90-6

**Formula:**

$C_{10}H_{19}N_5O_2$

**Pathway:**

Others

**Target:**

Others

**Purity / Grade:**

>98%

**Solubility:**

H<sub>2</sub>O : 1 mg/mL (4.14 mM; ultrasonic and heat to 50°C)

**Alternative Names:**

BAY314666;BAY-MKH 3586

**Observed Molecular Weight:**

241.29

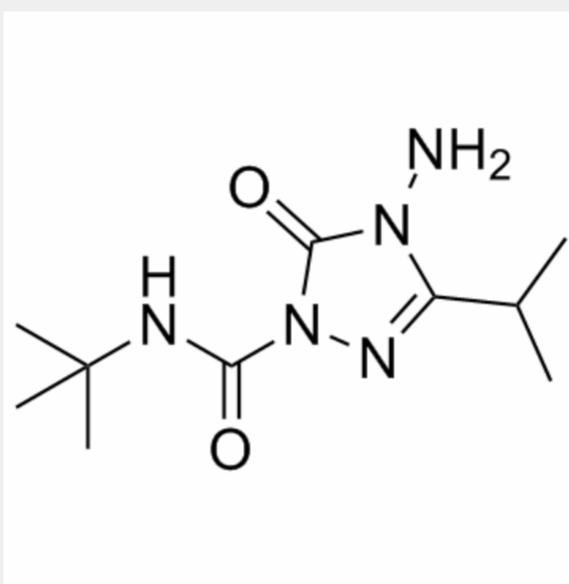
## Product Description

Amicarbazone(BAY-MKH3586; BAY314666) is a potent inhibitor of photosynthetic electron transport via binding to the Qb domain of photosystem II (PSII); herbicide with a broad spectrum of weed control.

IC50 value:

Target: PSII inhibitor

The phenotypic responses of sensitive plants exposed to amicarbazone include chlorosis, stunted growth, tissue necrosis, and death. Its efficacy as both a foliar- and root-applied herbicide suggests that absorption and translocation of this compound is very rapid. As a result, its efficacy is susceptible to the most common form of resistance to PSII inhibitors. Nonetheless, amicarbazone has a good selectivity profile and is a more potent herbicide than atrazine, which enables its use at lower rates than those of traditional photosynthetic inhibitors.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!