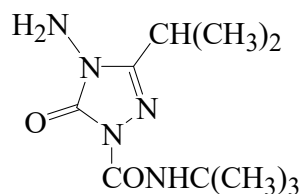




>>Entry Name: Amicarbazone, BSI

Synonym(s): 4-Amino-*N*-(1,1-dimethylethyl)-4,5-dihydro-3-(1-methylethyl)-5-oxo-1*H*-1,2,4-triazole-1-carboxamide, 9CI. 4-Amino-*N*-*tert*-butyl-4,5-dihydro-3-isopropyl-5-oxo-1,2,4-triazole-1-carboxamide. BAY MKH 3586. BAY 314666



CAS Registry Number: 129909-90-6

Molecular Formula: C₁₀H₁₉N₅O₂

Molecular Weight: 241.292

Accurate Mass: 241.153875

Percentage Composition: C 49.78%; H 7.94%; N 29.02%; O 13.26%

Biological Use/Importance: Herbicide. Photosynthesis inhibitor

Physical Description: Cryst.

Melting Point: Mp 138°

Hazard & Toxicity: LD₅₀ (rat, orl) 1015 mg/kg

Other: Bayer

References:

Ger. Pat., 1990, 3 839 206; *CA*, **113**, 172023c, (*synth, activity*)

Philbrook, B.D. *et al.*, *Brighton Crop Prot. Conf. - Weeds*, 1999, 29-34, (*activity*)

Pesticide Manual, 12th edn., 2000, No. 23