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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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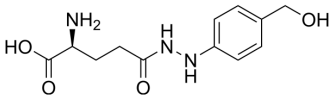
Agaritine

Cat. No.:	HY-121111
CAS No.:	2757-90-6
Molecular Formula:	$C_{12}H_{17}N_3O_4$
Molecular Weight:	267.28
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Agaritine is a compound isolated from the commonly cultivated commercial mushroom Agaricus bisporus. Agaritine is hydrolyzed by an enzyme system present in the mushroom into 4-(hydroxymethyl)benzenediazonium ion, which is a carcinogen in mice. Agaritine is structurally similar to some known carcinogens and can be used for research in cancer and food safety[1][2].

REFERENCES

[1]. Ross A E, et al. Evidence for the occurrence and formation of diazonium ions in the Agaricus bisporus mushroom and its extracts[J]. Journal of agricultural and food chemistry, 1982, 30(3): 521-525.

[2]. Ross A E, et al. Occurrence, stability and decomposition of beta-N [gamma-L (+)-glutamyl]-4-hydroxymethylphenylhydrazine (agaritine) from the mushroom Agaricus bisporus[J]. Food and Chemical Toxicology: an International Journal Published for the British Industrial Biological Research Association, 1982, 20(6): 903-907.

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