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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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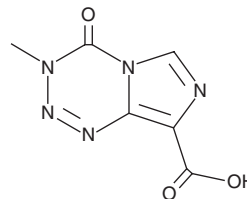
PRODUCT INFORMATION



Temozolomide Acid

Item No. 35800

CAS Registry No.: 113942-30-6
Formal Name: 3,4-dihydro-3-methyl-4-oxo-imidazo[5,1-d]-1,2,3,5-tetrazine-8-carboxylic acid
Synonyms: Temozolomide 8-Carboxylic Acid, TMZA
MF: C₆H₅N₅O₃
FW: 195.1
Purity: ≥98%
UV/Vis.: λ_{max}: 252, 324 nm
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Temozolomide acid is supplied as a solid. A stock solution may be made by dissolving the temozolomide acid in the solvent of choice, which should be purged with an inert gas. Temozolomide acid is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of temozolomide acid in these solvents is approximately 3 and 2 mg/ml, respectively.

Description

Temozolomide acid is an active metabolite of the alkylating agent precursor temozolomide (Item No. 14163).¹ It is cytotoxic to TLX5 murine lymphoma cells in a concentration-dependent manner. Temozolomide acid is also a synthetic intermediate in the synthesis of temozolomide prodrugs with anticancer activity.²

References

1. Tsang, L.L.H., Farmer, P.B., Gescher, A., *et al.* Characterisation of urinary metabolites of temozolomide in humans and mice and evaluation of their cytotoxicity. *Cancer Chemother. Pharmacol.* **26(6)**, 429-436 (1990).
2. Liu, D., Yang, J.-G., Cheng, J., *et al.* Synthesis and antitumor activity of 3-methyl-4-oxo-3,4-dihydroimidazo [5,1-d][1,2,3,5]tetrazine-8-carboxylates and -carboxamides. *Molecules* **15(12)**, 9427-9437 (2010).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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