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DATASHEET

Temozolomide

Product overview

Name	Temozolomide
Cat No	HB5480
Biological action	Agonist
Purity	>99%
Description	DNA-methylating antitumor agent

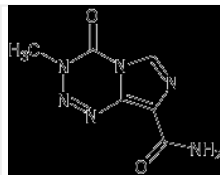
Biological Data

Biological description	DNA-methylating antitumor agent. Shows anti-tumor activity against leukemias, lymphomas and solid tumors. Also induces autophagy in malignant glioma cells.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in DMSO (5 mg/ml)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	3,4-Dihydro-3-methyl-4-oxoimidazo[5,1-d]-1,2,3,5-tetrazine-8-carboxamide
Molecular Weight	194.15
Chemical structure	
Molecular Formula	C ₆ H ₆ N ₆ O ₂
CAS Number	85622-93-1

References

Temozolomide: mechanisms of action, repair and resistance.

Zhang J et al (2012) Current molecular pharmacology 5
PubMedID [22122467](#)

Matteucinol combined with temozolomide inhibits glioblastoma proliferation, invasion, and progression: an in vitro, in silico, and in vivo study.

Netto JB et al (2022) Brazilian journal of medical and biological research = Revista brasileira de pesquisas medicas e biologicas 55
PubMedID [36000612](#)

Considering the Experimental use of Temozolomide in Glioblastoma Research.

Herbener VJ et al (2020) Biomedicines 8

PubMedID

32512726
