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DATASHEET

Pentylentetrazole

Product overview

Name	Pentylentetrazole
Cat No	HB0481
Alternative names	PTZ
Biological action	Other
Purity	>99%
Description	CNS stimulant

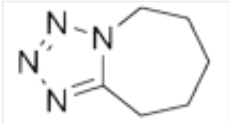
Biological Data

Biological description	CNS stimulant. Induces kindling of seizures in vivo and changes the excitatory and inhibitory neurotransmitter balance. Decreases μ -opioid and GABA _A receptors and causes an increase in glutamate and aspartate. Potentially acts as a non-competitive GABA _A receptor antagonist. Shows convulsive actions.
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Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in water (100mM) or DMSO (100mM)
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	6,7,8,9-Tetrahydro-5H-tetrazolo[1,5-a]azepine
Molecular Weight	138.17
Chemical structure	
Molecular Formula	C ₆ H ₁₀ N ₄
CAS Number	54-95-5
PubChem identifier	5917
SMILES	C1CCN2N=NN=C2CC1
InChiKey	CWRVKFFCRWGWCS-UHFFFAOYSA-N