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DATASHEET

Xanthurenic acid

Product overview

Name	Xanthurenic acid
Cat No	HB0659
Biological action	Agonist
Purity	>98%
Description	Endogenous group II mGlu agonist

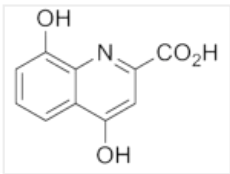
Biological Data

Biological description	Endogenous group II mGluR agonist. Displays apoptosis inducing properties and induces the exflagellation of Plasmodium microgametocytes.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in 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	4,8-Dihydroxyquinoline-2-carboxylic acid
Molecular Weight	205.17
Chemical structure	
Molecular Formula	C ₁₀ H ₇ NO ₄
CAS Number	59-00-7
PubChem identifier	5699
SMILES	OC1=C2C(C(O)=CC(C(O)=O)=N2)=CC=C1
InChiKey	FBZONXHGGPHHIY-UHFFFAOYSA-N

References

Actions of Xanthurenic acid, a putative endogenous Group II metabotropic glutamate receptor agonist, on sensory transmission in the thalamus.

Copeland CS *et al* (2013) *Neuropharmacology* 66

PubMedID [22491023](#)

Pathological apoptosis by xanthurenic acid, a tryptophan metabolite: activation of cell caspases but not cytoskeleton breakdown.

Malina HZ *et al* (2001) BMC Physiol 1

PubMedID [11459518](#)

The tryptophan oxidation pathway in mosquitoes with emphasis on xanthurenic acid biosynthesis.

Han Q *et al* (2007) J Insect Physiol 53(3)

PubMedID [17070835](#)
