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DATASHEET

Quinolinic acid

Product overview

Name	Quinolinic acid
Cat No	HB0544
Biological action	Agonist
Purity	>98%
Description	Endogenous NMDA receptor agonist

Images

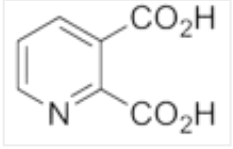
Biological Data

Biological description	Endogenous NMDA receptor agonist. Shows no activation at GluN1 and GluN2C subunit containing receptors. Displays neurotoxin and pro-inflammatory properties.

Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in NaOH(aq) (50mM, 1eq. NaOH)
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	Pyridine-2,3-dicarboxylic acid
Molecular Weight	167.12
Chemical structure	
Molecular Formula	$C_7H_5NO_4$
CAS Number	89-00-9
PubChem identifier	1066
SMILES	OC(=O)C1=C(N=CC=C1)C(O)=O

InChiKey	GJAWHXHKYYXBSV-UHFFFAOYSA-N

References

Quinolinic acid, the inescapable neurotoxin.

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Quinolinic acid and kynurenine pathway metabolism in inflammatory and non-inflammatory neurological disease.

Heyes MP *et al* (1992) Brain 115 (Pt 5)
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Quinolinic acid: an endogenous neurotoxin with multiple targets.

Lugo-Huitrón R *et al* (2013) Oxid Med Cell Longev 2013
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