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DATASHEET

Ro 61-8048

Product overview

Name	Ro 61-8048
Cat No	HB0556
Biological action	Inhibitor
Purity	>99%
Description	Potent, competitive kynurenine 3-hydroxylase inhibitor

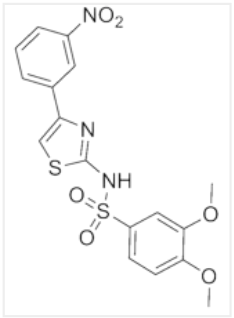
Biological Data

Biological description	Potent and competitive kynurenine 3-hydroxylase inhibitor (IC_{50} = 37 nM). Blocks the effects of cannabinoid CB_1 agonists. Displays antidystonic, neuroprotective and anticonvulsive properties. Blood brain barrier permeable.

Solubility & Handling

Storage instructions	+4°C
Solubility overview	Soluble in DMSO (100mM) or ethanol (10mM)
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-Dimethoxy-*N*-[4-(3-nitrophenyl)-2-thiazolyl]benzenesulfonamide
Molecular Weight	421.45
Chemical structure	
Molecular Formula	$C_{17}H_{15}N_3O_6S_2$
CAS Number	199666-03-0
PubChem identifier	5282337
SMILES	O=S(NC1=NC(C2=CC=CC([N+]([O-])=O)=C2)=CS1)(C3=CC=C(OC)C(OC)=C3)=O
InChiKey	NDPBMCKQJOZAQX-UHFFFAOYSA-N

References

Synthesis and biochemical evaluation of N-(4-phenylthiazol-2-yl)benzenesulfonamides as high-affinity inhibitors of kynurenine 3-hydroxylase.

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Kynurenines in the mammalian brain: when physiology meets pathology.

Schwarcz R *et al* (2012) Nat Rev Neurosci 13(7)
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