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DATASHEET

Rufinamide

Product overview

Name	Rufinamide
Cat No	HB1039
Alternative names	CGP 33101
Biological action	Blocker
Purity	>99%
Description	Na^+ channel blocker

Images

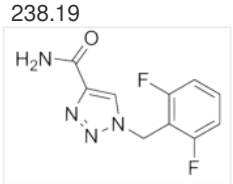
Biological Data

Biological description	Na^+ channel blocker. Shows higher selectivity for $Na_v1.7$. Also $mGluR_5$ antagonist. A novel triazole derivative. Prolongs sodium channel inactivation. Displays anticonvulsant and antiepileptic actions.

Solubility & Handling

Storage instructions	room temperature (desiccate)
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	1-[(2,6-Difluorophenyl)methyl]-1*H*-1,2,3-triazole-4-carboxamide
Molecular Weight	238.19
Chemical structure	
Molecular Formula	$C_{10}H_8F_2N_4O$
CAS Number	106308-44-5

PubChem identifier	129228
SMILES	O=C(N)C1=CN(CC2=C(F)C=CC=C2F)N=N1
InChiKey	POGQSBRIGCQNEG-UHFFFAOYSA-N

References

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Arroyo S (2007) Neurotherapeutics 4(1)
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Rufinamide attenuates mechanical allodynia in a model of neuropathic pain in the mouse and stabilizes voltage-gated sodium channel inactivated state.

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Deeks ED *et al* (2006) CNS Drugs 20(9)
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