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DATASHEET

VU 0360223

Product overview

Name	VU 0360223
Cat No	HB0637
Biological action	NAM
Purity	>99%
Description	mGlu ₅ negative allosteric modulator

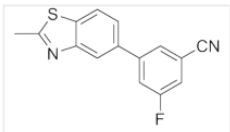
Biological Data

Biological description	mGlu ₅ receptor negative allosteric modulator (IC ₅₀ = 61 nM). Exhibits little or no activity at mGlu ₁₋₄ and mGlu ₇₋₈ receptors. Blood-brain barrier permeable.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in DMSO (25mM)
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-Fluoro-5-(2-methyl-5-benzothiazolyl)-benzonitrile
Molecular Weight	268.31
Chemical structure	
Molecular Formula	C ₁₅ H ₉ FN ₂ S
CAS Number	1274859-33-4
PubChem identifier	45103530
SMILES	CC2=NC1=CC(C3=CC(F)=CC(C#N)=C3)=CC=C1S2
InChiKey	WDHYUBIJZHYUOV-UHFFFAOYSA-N

References

(3-Cyano-5-fluorophenyl)biaryl negative allosteric modulators of mGlu(5): Discovery of a new tool compound with activity in the OSS mouse model of addiction.

Lindsley CW *et al* (2011) ACS Chem Neurosci 2(8)

PubMedID [21927650](#)

