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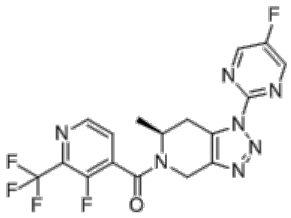
Datasheet (Version 1.0)

Product Name	:	JNJ-55308942
Synonyms	:	JNJ55308942
Cat No.	:	M13460
CAS Number	:	2166558-11-6
Molecular Formula	:	C17H12F5N7O
Formula Weight	:	425.32



Chemical Name	:	(S)-(3-fluoro-2-(trifluoromethyl)pyridin-4-yl)(1-(5-fluoropyrimidin-2-yl)-6-methyl-1,4,6,7-tetrahydro-5H-[1,2,3]triazolo[4,5-c]pyridin-5-yl)methanone
Description	:	JNJ-55308942 is a novel highly potent P2X7 antagonist with Ki of 1.0 and 6.5 nM for rat and human hP2X7, demonstrates significant activity against a panel of related P2X receptors (P2X1, P2X2, P2X3, P2X2/3, and P2X4; also shows insignificant inhibition of nine CYP isoforms (IC50>15 uM); exhibits excellent P2X7 receptor occupancy in the hippocampus of rats with low ED50 of 0.07 mg/kg and unbound plasma EC50 of 12 ng/mL, suppresses brain IL-1β release in vivo in freely moving rats challenged with the P2X7 agonist Bz-ATP; possesses good tolerability margins in preclinical species, as well as an acceptable cardiovascular safety profile in vivo.Epilepsy Phase 1 Clinical.
Pathway	:	Membrane Transporter/Ion Channel
Target	:	P2X Receptor
Receptor	:	P2X Receptor
Solubility	:	——
SMILES	:	——
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	

1. Chrovian CC, et al. J Med Chem. 2018 Jan 11;61(1):207-223.