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DATASHEET

PI 103 hydrochloride

Product overview

Name	PI 103 hydrochloride
Cat No	HB2797
Description	Potent dual PI3-K/mTOR inhibitor
Biological description	Potent dual PI3-K/mTOR inhibitor with selectivity for PI3K family (IC ₅₀ values are 2, 3, 3 and 15 nM at p110α, p110β, p110δ and p110γ and 20 and 83 nM at mTORC1 and mTORC2 respectively). Also shows activity at DNA-PK (IC ₅₀ = 14 nM). Shows antitumor activity and inhibits tumor cell invasion. Active <i>in vivo</i> .
Biological action	Inhibitor
Purity	>98%

Solubility & Handling

Storage instructions	+4 °C (desiccate)
Storage buffer	Soluble in DMSO (20mM)
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-(4-Morpholinyl)pyrido[3',2':4,5]uro[3,2-d]pyrimidin-2-yl]phenol hydrochloride
Molecular Weight	384.82
Chemical structure	
Molecular Formula	C ₁₉ H ₁₆ N ₄ O ₃ ·HCl
CAS Number	371935-79-4
PubChem identifier	16739368
SMILES	OC1=CC(C(N=C4N5CCOCC5)=NC3=C4OC2=NC=CC=C23)=CC=C1.Cl
InChiKey	XSQMYBFFYPMTFE-UHFFFAOYSA-N