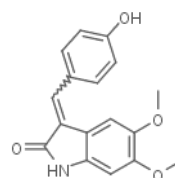


Product Name	: RPI-1
Synonyms	: RPI-1; RPI1; RPI 1
Cat No.	: M17463
CAS Number	: 269730-03-2
Molecular Formula	: C ₁₇ H ₁₅ NO ₄
Formula Weight	: 297.31
Chemical Name	: 1,3-dihydro-3-[(4-hydroxyphenyl)methylene]-5,6-dimethoxy-2H-indol-2-one
Description	: RPI-1 is an ATP-dependent RET kinase inhibitor. Oral treatment with RPI-1 caused growth arrest or regression in 81% treated tumors. Following treatment suspension, tumor inhibition was maintained (51%, P<0.05, 100 days) and cures were achieved in 2/11 mice. In vivo effects of RPI-1 were reflected in activation of BAD, cleavage of caspases, apoptotic DNA fragmentation and inhibition of VEGF production observed in in vitro RPI-1-treated TT cells..
Pathway	: Endocrinology/Hormones
Target	: AChR
Receptor	: Met; RET; CTND1; DCDB2; PLCγ
Solubility	: —
SMILES	: COc1c(cc2c(c1)/C(=C/c1ccc(cc1)O)/C(=O)N2)OC
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Petrangolini G, et al. Biochem Pharmacol. 2006 Aug 14;72(4):405-14. 2. Caccia D, et al. Mol Y. 2010 Oct 18;9:278.