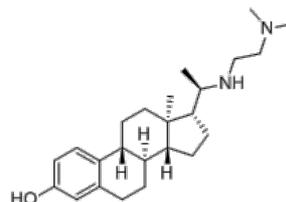


Product Name	: RU1968
Synonyms	: RU 1968;RU-1968
Cat No.	: M12611
CAS Number	: 171336-24-6
Molecular Formula	: C ₂₄ H ₃₈ N ₂ O
Formula Weight	: 370.58
Chemical Name	: (8R,9R,13R,14R,17R)-17-((R)-1-((2-(dimethylamino)ethyl)amino)ethyl)-13-methyl-7,8,9,11,12,13,14,15,16,17-decahydro-6H-cyclopenta[a]phenanthren-3-ol
Description	: RU1968 is a potent, cross-species sperm-specific Ca ²⁺ channel CatSper inhibitor that is selective for CatSper over Slo3; suppresses progesterone- and prostaglandin-induced Ca ²⁺ signals in human sperm (IC ₅₀ =4 and 3.8 uM), potently abolishes CatSper-mediated Ca ²⁺ signals in mouse, human, and sea urchin sperm.
Pathway	: GPCR/G Protein
Target	: Calcium Channel
Receptor	: Calcium Channel
Solubility	: —
SMILES	: <chem>OC1=CC=C2[C@@]3([H])CC[C@@]4(C)[C@@H](C(NCCN(C)C)C)CC[C@@]4([H])[C@]3([H])CCC2=C1.O=C(O)C(F)(F)F.O=C(O)C(F)(F)F</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Rennhack A, et al. Br J Pharmacol. 2018 May 3. doi: 10.1111/bph.14355.