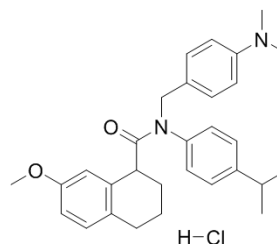


Product Name	: W-54011
Synonyms	: W54011; W 54011; W-54011
Cat No.	: M14391
CAS Number	: 405098-33-1
Molecular Formula	: C30H37ClN2O2
Formula Weight	: 493.08
Chemical Name	: 1-Naphthalenecarboxamide, N-[[4-(dimethylamino)phenyl]methyl]-1,2,3,4-tetrahydro-7-methoxy-N-[4-(1-methylethyl)phenyl]-, hydrochloride (1:1)
Description	: A potent and orally active non-peptide C5a receptor (CD88; C5aR) antagonist with K_i of 2.2 nM; also inhibits C5a-induced intracellular Ca^{2+} mobilization, chemotaxis, and generation of reactive super oxide species in human neutrophils with IC_{50} of 3.1, 2.7, and 1.6 nM, respectively; inhibits C5a-induced neutropenia in gerbils (3-30 mg/kg).
Pathway	: Immunology/Inflammation
Target	: Complement System
Receptor	: Complement System
Solubility	: DMSO: ≥ 28 mg/mL
SMILES	: <chem>O=C(C1CCCC2=C1C=C(OC)C=C2)N(CC3=CC=C(N(C)C)C=C3)C4=CC=C(C(C)C)C=C4</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Sumichika H, et al. J Biol Chem. 2002 Dec 20;277(51):49403-7. | 2. Kurihara R, et al. Inflamm Res. 2010 Aug;59(8):659-66. | 3. Sendler M, et al. Gastroenterology. 2015 Sep;149(3):765-76.e10.