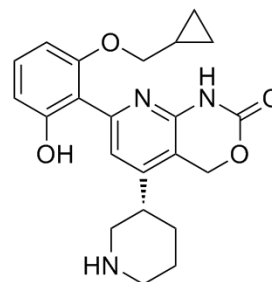


Product Name	: Bay 65-1942
Synonyms	: BAY 65-1942; BAY-65-1942; BAY65-1942; BAY 651942; BAY65-1942 free base
Cat No.	: M15235
CAS Number	: 600734-02-9
Molecular Formula	: C ₂₂ H ₂₅ N ₃ O ₄
Formula Weight	: 395.45
Chemical Name	: 2H-Pyrido[2,3-d][1,3]oxazin-2-one, 7-[2-(cyclopropylmethoxy)-6-hydroxyphenyl]-1,4-dihydro-5-(3S)-3-piperidinyl-
Description	A potent, selective, ATP-competitive inhibitor of IKKβ kinase with K_i of 2 nM; displays >50-fold selectivity over IKK-α, does not inhibit (IC₅₀>10μM) IKK3, MKK4, MKK7, ERK-1, Syk, Lck, Fyn, PI3Kγ, PKA, and PKC; inhibits stress-induced NF-κB transactivation, chemokine-, cytokine-, and adhesion molecule expression, and T- and B-cell proliferation; inhibits cockroach allergen-induced airway inflammation and hyperreactivity and efficiently abrogates leukocyte trafficking induced by carrageenan in mice.
Pathway	: Immunology/Inflammation
Target	: I κ B kinase (IKK)
Receptor	: I κ B kinase (IKK)
Solubility	: 10 mM in DMSO
SMILES	: <chem>OC(C=CC=C1OCC2CC2)=C1C3=NC4=C(COC(N4)=O)C([C@H]5CNCCC5)=C3</chem>
Storage	: (-20°C)
Stability	: $\geq$ 2 years
Reference	:



1. Noha SM, et al. Bioorg Med Chem Lett. 2011 Jan 1;21(1):577-83. | 2. Ziegelbauer K, et al. Br J Pharmacol. 2005 May;145(2):178-92. | 3. Moss NC, et al. Am J Physiol Heart Circ Physiol. 2007 Oct;293(4):H2248-53.