

Product Name	: E6446
Synonyms	: E6446; E 6446; E-6446
Cat No.	: M17200
CAS Number	: 1219925-73-1
Molecular Formula	: C ₂₇ H ₃₅ N ₃ O ₃
Formula Weight	: 449.6
Chemical Name	: 6-(3-Pyrrolidin-1-yl-propoxy)-2-[4-(3-pyrrolidin-1-yl-propoxy)-phenyl]-benzoxazole
Description	E6446 inhibits Toll-like receptor (TLR)7 and 9 signaling. E6446 works in a variety of human and mouse cell types and inhibits DNA-TLR9 interaction in vitro. When administered to mice, this compound suppress responses to challenge doses of cytidine-phosphate-guanidine (CpG)-containing DNA, which stimulates TLR9.
Pathway	: GPCR/G Protein
Target	: Dopamine Receptor
Receptor	: TLR7; TLR9
Solubility	: —
SMILES	: <chem>C1CCN(C1)CCCOc1ccc(cc1)c1nc2c(o1)cc(cc2)OCCCN1CCCC1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1: Dias AA, et al. DNA Sensing via TLR-9 Constitutes a Major Innate Immunity Pathway Activated during Erythema Nodosum Leprosum. J Immunol. 2016 Sep 1;197(5):1905-13.