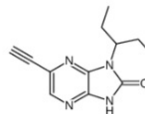


Product Name	: Tirasemtiv
Synonyms	: CK2017357; CK-2017357; CK 2017357; Tirasemtiv
Cat No.	: M17112
CAS Number	: 1005491-05-3
Molecular Formula	: C ₁₂ H ₁₄ N ₄ O
Formula Weight	: 230.27
Chemical Name	: 1-(1-Ethylpropyl)-6-ethynyl-1,3-dihydro-2H-imidazo(4,5-b)pyrazin-2-one
Description	Tirasemtiv, also known as CK2017357, is a novel skeletal muscle activator. Tirasemtiv slows the rate of calcium release from troponin, thus sensitizing fast skeletal muscle fibers to calcium. Tirasemtiv demonstrated increases in skeletal muscle force in response to neuronal input and delays in the onset and reductions in the degree of muscle fatigue.
Pathway	: Others
Target	: Other Targets
Receptor	: Troponin
Solubility	: DMSO : ≥ 52 mg/mL 225.82 mM
SMILES	: <chem>CCC(CC)n1c2nc(cnc2[nH]c1=O)C#C</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Russell AJ, et al. Nat Med. 2012 Feb 19;18(3):452-5.