

Product Name : Lanperisone

Synonyms : NK 433

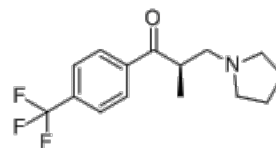
Cat No. : M10560

CAS Number : 116287-14-0

Molecular Formula : C₁₅H₁₈F₃NO

Formula Weight : 285.31

Chemical Name : (2R)-2-methyl-3-pyrrolidin-1-yl-1-[4-(trifluoromethyl)phenyl]propan-1-one



Description : Lanperisone (NK 433) is a centrally acting muscle relaxant that selectively kills of K-ras mutant cancer cells in a cell cycle-independent fashion; shows potent and selective activity against K-rasG12D MEFs with IC₅₀ of 4 μM in the CTG viability assay; causes a large population of cells with sub-2N DNA content, induces oxidative stress, but not in wild-type MEFs; suppresses the growth of K-ras-driven tumors without overt toxicity in mice; orally bioactive.

Pathway : MAPK/ERK Signaling

Target : Ras

Receptor : Ras

Solubility : —

SMILES : O=C(C1=CC=C(C(F)(F)F)C=C1)[C@H](C)CN2CCCC2

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Shaw AT, et al. Proc Natl Acad Sci U S A. 2011 May 24;108(21):8773-8. | 2. Sakitama K, et al. Eur J Pharmacol. 1997 Oct 22;337(2-3):175-87. | 3. Glasauer A, et al. Biochem Pharmacol. 2014 Nov 1;92(1):90-101.