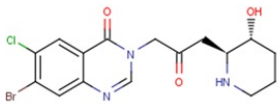
Product Name	:	Halofuginone
Synonyms	:	RU 19110; RU19110; Halofuginone; Tempostatin
Cat No.	:	M17543
CAS Number	:	55837-20-2
Molecular Formula	:	C16H17BrClN3O3
Formula Weight	:	414.68
Chemical Name	:	7-bromo-6-chloro-3-(3-((2S,3R)-3-hydroxypiperidin-2-yl)-2-oxopropyl)quinazolin-4(3H)-one.
Description	:	Halofuginone, also known as RU-19110, is a semisynthetic quinazolinone alkaloid anticoccidial derived from the plant Dichroa febrifuga, with antifibrotic and potential antineoplastic activities. Halofuginone specifically inhibits collagen type I gene expression and matrix metalloproteinase 2 (MMP-2) gene expression, which may result in the suppression of angiogenesis, tumor stromal cell development, and tumor cell growth. These effects appear to be due to halofuginone-mediated inhibition of the collagen type I and MMP-2 promoters.
Pathway	:	Metabolic Enzyme/Protease
Target	:	Retinoid Receptor
Receptor	:	prolyl-tRNA synthetase
Solubility	:	DMSO : 9 mg/mL. 21.70 mM;
SMILES	:	C1C[C@H]([C@@H](NC1)CC(=O)Cn1cnc2cc(c(cc2c1=O)Cl)Br)O
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	



1.Runlong Lin, et al. Onco Targets Ther. 2015; 8: 3549–3559.