



Product Information

PDE inhibitor, Revizinone, Purity $\geq 98\%$

Cat. No.: X24-09-YM041

Size: 1 mg; 5 mg; 10 mg; 50 mg

CAS Number: 133718-29-3

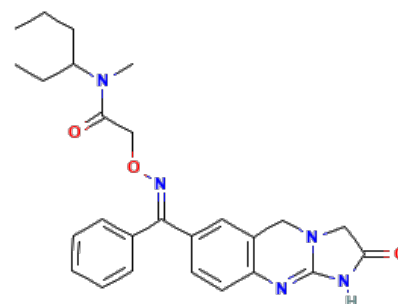
Compound CID: 135544124

Synonym: 133718-29-3; R80122; R 80122; R-80122; *N*-Cyclohexyl-*N*-

-methyl-2-[(*E*)-[(2-oxo-3,5-dihydro-1*H*

-imidazo[2,1-*b*]quinazolin-7-yl)-phenylmethylidene]amino]oxyacetamide; PDE inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Revizinone is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting PDE. The molecular weight of the compound is 459.54, and its molecular formula is $C_{26}H_{29}N_5O_3$.
Molecular Weight	459.54
Molecular Formula	$C_{26}H_{29}N_5O_3$
IUPAC Name	<i>N</i> -Cyclohexyl- <i>N</i> -methyl-2-[(<i>E</i>)-[(2-oxo-3,5-dihydro-1 <i>H</i> -imidazo[2,1- <i>b</i>]quinazolin-7-yl)-phenylmethylidene]amino]oxyacetamide
InChI	InChI=1S/C26H29N5O3/c1-30(21-10-6-3-7-11-21)24(33)17-34-29-25(18-8-4-2-5-9-18)19-12-13-22-20(14-19)15-31-16-23(32)28-26(31)27-22/h2,4-5,8-9,12-14,21H,3,6-7,10-11,15-17H2,1H3,(H,27,28,32)/b29-25+
InChI Key	VH DUUXNHZLBGHQ-XLVZBRSZSA-N
Canonical SMILES	CN(C1CCCCC1)C(=O)CON=C(C2=CC=CC=C2)C3=CC4=C(C=C3)N=C5NC(=O)CN5C4
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Revizinone plays a key role in increasing cyclic AMP levels in cardiac and smooth muscle cells, which leads to increased contractility (positive inotropic effect) and vasodilation.



Storage

Store at -20°C, and keep desiccated.
