

Product Information

BRD7552, Purity ≥98%

Cat. No.: X24-09-YM1334

Size: 5 mg; 10 mg; 20 mg; 50 mg

CAS Number: 1137359-47-7

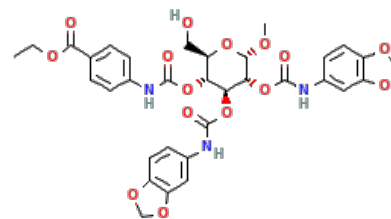
Compound CID: 23891512

Synonym: 1137359-47-7; BRD-7552; BRD 7552; Ethyl

4-[[[(2R,3R,4S,5R,6S

)-4,5-bis(1,3-benzodioxol-5-ylcarbamoyloxy)-2-(hydroxymethyl)-6-methoxyoxan-3-yl]o

xycarbonylamino]benzoate



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

Product Information

Description	BRD7552, soluble in DMSO and ethanol and insoluble in water, is an inducer of transcription factor PDX1, which increases insulin expression. The molecular weight of the compound is 711.63, and its molecular formula is C ₃₃ H ₃₃ N ₃ O ₁₅ .
Molecular Weight	711.63
Molecular Formula	C ₃₃ H ₃₃ N ₃ O ₁₅
IUPAC Name	Ethyl 4-[[[(2R,3R,4S,5R,6S)-4,5-bis(1,3-benzodioxol-5-ylcarbamoyloxy)-2-(hydroxymethyl)-6-methoxyoxan-3-yl]oxycarbonylamino]benzoate
InChI	InChI=1S/C33H33N3O15/c1-3-43-29(38)17-4-6-18(7-5-17)34-31(39)49-26-25(14-37)48-30(42-2)28(51-33(41)36-20-9-11-22-24(13-20)47-16-45-22)27(26)50-32(40)35-19-8-10-21-23(12-19)46-15-44-21/h4-13,25-28,30,37H,3,14-16H2,1-2H3,(H,34,39)(H,35,40)(H,36,41)/t25-,26-,27+,28-,30+/m1/s1
InChI Key	AAOLIMLEFKWKQY-IXMSMLDRSA-N
Canonical SMILES	CCOC(=O)C1=CC=C(C=C1)NC(=O)OC2C(OC(C2OC(=O)NC3=CC4=C(C=C3)OCO4)OC(=O)NC5=CC6=C(C=C5)OCO6)OC)CO
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 93 mg/mL (130.68 mM); Water: insoluble; Ethanol: 93 mg/mL (130.68 mM)
Identity	Confirmed by NMR/HPLC/MS.



Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	BRD7552 can be studied extensively for its potential therapeutic applications in the treatment of tumors that express high levels of Mcl-1.
Storage	Store at -20°C, and keep desiccated.
