

PRODUCT: BRD-7552

ALTERNATE NAME: Methyl [2,3-O-bis(Benzo[1,3]dioxol-5-yl-carbamoyl)]-4-O-(4-ethoxycarbonyl-phenylcarbamoyl)- α -D-glucopyranoside

CATALOG #: B2258-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₃H₃₃N₃O₁₅

MOLECULAR WEIGHT: 711.63

CAS NUMBER: 1137359-47-7

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (>60 mg/ml)

PURITY: \geq 98% by HPLC

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: BRD-7552 is an inducer of pancreatic and duodenal homeobox 1 (PDX1), a transcription factor involved in pancreas development and function. BRD-7552 dose-dependently increases PDX1 and insulin gene expression, as well as PDX1 protein levels, in PANC-1 cells. It also increases acetylation of histone H3 and trimethylation of H3K4 and H3K9.

REFERENCES: Yuan, H., *et al.* (2013). *Chem. Biol.* **20**, 1513-1522.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:
BRD-7552 (**B2258**)
EZSolution™ BRD-7552 (**B2259**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**