Product Data Sheet

Product Name: BF-175
Cat. No.: GC79057

Chemical Properties

Cas. No.	1333375-02-2		
Formula	$C_{20}H_{21}BCl_2O_2$	M.Wt	375.1
Solubility		Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Background

BF-175 is a selective SIRT1 agonist. BF175 increases SIRT1-mediated activation of PGC1-α, induces Apoptosis, induces Autophagy and inhibits SREBP activity. BF-175 protects against high glucose-mediated mitochondrial injury. BF-175 attenuates diabetic kidney disease progression. BF175 inhibits endometrial carcinoma [1] [2].

References:

[1]. Hong Q, et al. Increased podocyte Sirtuin-1 function attenuates diabetic kidney injury. Kidney Int. 2018 Jun;93(6):1330-1343.

Caution: Product has not been fully validated for medical applications. For research use only.

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[2]. Wang Q, et al. BF175 inhibits endometrial carcinoma through SREBP-regulated metabolic pathways in vitro. Mol Cell Endocrinol. 2021 Mar 1;523:111135.