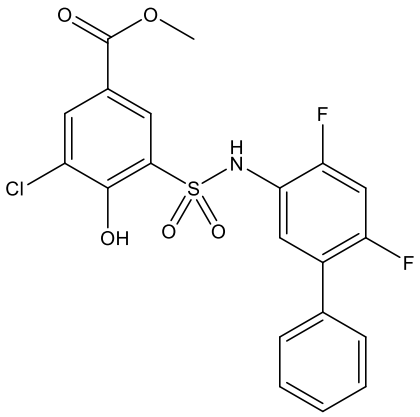
Catalog # 10-4841

NDI-091143

CAS# 2375840-87-0

Methyl 3-Chloro-5-[(2,4-difluoro-5-phenylphenyl)sulfamoyl]-4-hydroxybenzoate

Lot # FBS3002



NDI-091143 is a potent (IC_{50} = 2.1 nM ADP-Glo assay; 4.8 nM Oxaloacetate coupled enzyme assay) allosteric inhibitor of ATP-citrate lyase.[1] NDI-091143 suppressed growth and clonogenic ability in thyroid cancer cell lines FTC-133 and 8505C.[2] It also synergistically potentiated the cytotoxicity of sorafenib.[2]

1) Wei *et al*. (2019), *An allosteric mechanism for potent inhibition of human ATP-citrate lyase*; Nature, **568** 566

2) Huang *et al*. (2022), *ACLY inhibitors induce apoptosis and potentiate cytotoxic effects of sorafenib in thyroid cancer cells*; Endocrine, **78** 85

PHYSICAL DATA

Molecular Weight:	453.84
Molecular Formula:	$C_{20}H_{14}ClF_2NO_5S$
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (>50 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase.
	Solutions in DMSO may be stored at -20°C for up to 3 months.

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