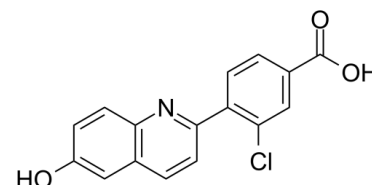


Data Sheet

Product Name:	Cavosonstat
Cat. No.:	CS-0030541
CAS No.:	1371587-51-7
Molecular Formula:	C ₁₆ H ₁₀ ClNO ₃
Molecular Weight:	299.71
Target:	CFTR; GSNOR
Pathway:	Membrane Transporter/Ion Channel; Metabolic Enzyme/Protease
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

Cavosonstat (N91115) is an orally active **S-nitrosogluthathione reductase (GSNOR)** inhibitor. Cavosonstat is a CFTR stabilizer, and can be used for cystic fibrosis research^[1]. **In Vitro:** Cavosonstat (N91115), a CFTR modulator, promotes cystic fibrosis transmembrane conductance regulator (CFTR) maturation and plasma membrane stability, with a mechanism of action complementary to CFTR correctors and potentiators^[1].

References:

[1]. Scott H Donaldson, et al. Pharmacokinetics and safety of cavosonstat (N91115) in healthy and cystic fibrosis adults homozygous for F508DEL-CFTR. J Cyst Fibros. 2017 May;16(3):371-379.

CAIndexNames:

Benzoic acid, 3-chloro-4-(6-hydroxy-2-quinolinyl)-

SMILES:

C1C=C(C(O)=O)C=C1)=C1C2=NC(C=CC(O)=C3)=C3C=C2

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

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