

## Product Information

### Renin-angiotensin-aldosterone system (RAAS) inhibitor, Nidufexor, Purity $\geq 98\%$

**Cat. No.:** X24-09-YM307

**Size:** 5 mg; 10 mg; 50 mg; 100 mg

**MDL:** MFCD31657267

**CAS Number:** 1773489-72-7

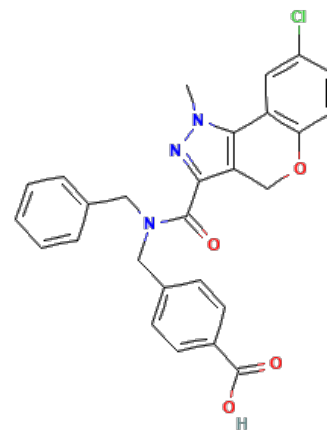
**Compound CID:** 118063735

**Synonym:** 1773489-72-7; LMB-763; LMB763;

4-[[Benzyl-(8-chloro-1-methyl-4*H*

-chromeno[4,3-*c*]pyrazole-3-carbonyl)amino]methyl]benzoic acid; Renin-angiotensin-aldosterone system (RAAS) inhibitor

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



#### Product Information

<b>Description</b>	Nidufexor, soluble in DMSO and insoluble in water and ethanol, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting FXR. The molecular weight of the compound is 487.93, and its molecular formula is $C_{27}H_{22}ClN_3O_4$ .
<b>Molecular Weight</b>	487.93
<b>Molecular Formula</b>	$C_{27}H_{22}ClN_3O_4$
<b>IUPAC Name</b>	4-[[Benzyl-(8-chloro-1-methyl-4 <i>H</i> -chromeno[4,3- <i>c</i> ]pyrazole-3-carbonyl)amino]methyl]benzoic acid
<b>InChI</b>	InChI=1S/C27H22ClN3O4/c1-30-25-21-13-20(28)11-12-23(21)35-16-22(25)24(29-30)26(32)31(14-17-5-3-2-4-6-17)15-18-7-9-19(10-8-18)27(33)34/h2-13H,14-16H2,1H3,(H,33,34)
<b>InChI Key</b>	JYTIXGYXBIBOMN-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CN1C2=C(COC3=C2C=C(C=C3)Cl)C(=N1)C(=O)N(CC4=CC=CC=C4)CC5=CC=C(C=C5)C(=O)O
<b>Isomeric SMILES</b>	CC[C@@H]1[C@@H]2C[C@@H](CC[C@@]2([C@H]3CC[C@]4([C@H]([C@@H]3[C@@H]1O)C[C@@H]4[C@H](C)CCC(=O)O)C)C)O
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Impurities</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
<b>Solubility</b>	<i>In vitro</i> : DMSO: 96 mg/mL (196.74 mM); Water: insoluble; Ethanol: insoluble
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.



<b>Quality Level</b>	Research grade
<b>Applications</b>	Nidufexor can be used for its ability to regulate bile acid and lipid metabolism, which can improve liver function and reduce fat accumulation in the liver.
<b>Storage</b>	Store at -20°C, and keep desiccated.

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