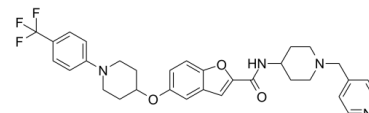


## Data Sheet

<b>Product Name:</b>	AMPK activator 1
<b>Cat. No.:</b>	CS-7260
<b>CAS No.:</b>	1152423-98-7
<b>Molecular Formula:</b>	C <sub>32</sub> H <sub>33</sub> F <sub>3</sub> N <sub>4</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	578.62
<b>Target:</b>	AMPK
<b>Pathway:</b>	Epigenetics; PI3K/Akt/mTOR
<b>Solubility:</b>	10 mM in DMSO



### BIOLOGICAL ACTIVITY:

AMPK activator 1 is an **AMPK** activator extracted from patent WO2013116491A1, compound No.1-75, has an **EC<sub>50</sub>** of <0.1 μM. IC<sub>50</sub> & Target: EC<sub>50</sub>: <0.1 μM (AMPK)<sup>[1]</sup> **In Vitro:** AMPK activator 1 (Compound No.1-75) activates AMPK using an enzyme-linked immunosorbent assay<sup>[1]</sup>.

### References:

[1]. GOFF DANE, et al. CARBOXAMIDE, SULFONAMIDE AND AMINE COMPOUNDS AND METHODS FOR USING THEM. WO2013116491A1.

### CAIndexNames:

2-Benzofurancarboxamide, N-[1-(4-pyridinylmethyl)-4-piperidinyl]-5-[[1-[4-(trifluoromethyl)phenyl]-4-piperidinyl]oxy]-

### SMILES:

O=C(C1=CC=CC(OC3CCN(C4=CC=C(C(F)F)C=C4)CC3)=CC=C2O1)NC5CCN(CC6=CC=NC=C6)CC5

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

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