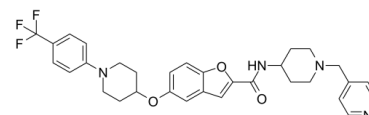


## Data Sheet

|                    |                            |
|--------------------|----------------------------|
| Product Name:      | AMPK activator 1           |
| Cat. No.:          | CS-7260                    |
| CAS No.:           | 1152423-98-7               |
| Molecular Formula: | C32H33F3N4O3               |
| Molecular Weight:  | 578.62                     |
| Target:            | AMPK                       |
| Pathway:           | Epigenetics; PI3K/Akt/mTOR |
| Solubility:        | 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 <0.1μM. 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=CC2=CC(OC3CCN(C4=CC=C(C(F)(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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