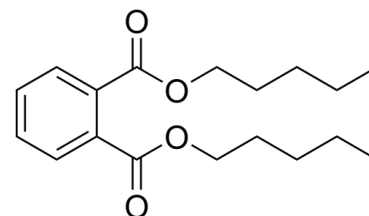


## Data Sheet

<b>Product Name:</b>	Dipentyl phthalate
<b>Cat. No.:</b>	CS-W014532
<b>CAS No.:</b>	131-18-0
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>26</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	306.402
<b>Target:</b>	Akt; AMPK
<b>Pathway:</b>	Epigenetics; PI3K/Akt/mTOR
<b>Solubility:</b>	10 mM in DMSO



### References:

[1]. Haiqiong Chen, et al. Exposure to dipentyl phthalate in utero disrupts the adrenal cortex function of adult male rats by inhibiting SIRT1/PGC-1 $\alpha$  and inducing AMPK phosphorylation. *Environ Toxicol.* 2023 May;38(5):997-1010.

[2]. Bethany R Hannas, et al. Dipentyl phthalate dosing during sexual differentiation disrupts fetal testis function and postnatal development of the male Sprague-Dawley rat with greater relative potency than other phthalates. *Toxicol Sci.* 2011 Mar;120(1):184-93.

### CAIndexNames:

1,2-Benzenedicarboxylic acid, 1,2-dipentyl ester

### SMILES:

O=C(OCCCCC)C1=CC=CC=C1C(=O)OCCCCC

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

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