

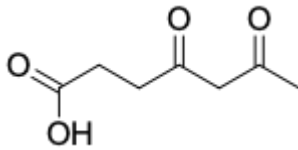
Succinylacetone

<http://hk.lumiprobe.com/p/succinylacetone>

Succinylacetone (4,6-dioxoheptanoic acid), is a result of tyrosine metabolism disorder. The synthesis of this medium-chain keto acid in the body is due to the reduced activity of the enzyme fumarylacetoacetate hydrolase. Succinylacetone is an acidogen, its high concentrations can lead to metabolic acidosis, which leads to damage to the liver, kidneys, heart, and nervous system. Succinylacetone appears to be an oncometabolite because patients with high levels of this compound often develop hepatocellular carcinoma.

Succinylacetone is widely used in research as an inhibitor of the enzyme 5-aminolevulinic acid dehydratase (ALAD), which plays a key role in heme biosynthesis.

The product is used primarily as a control for MS/MS.



外观: 白色固體

分子量: 158.15

CAS 编号: 51568-18-4

分子式: C₇H₁₀O₄

溶解度: 在水中

质量控制:

儲存条件: 收到後 -20°C 避光保存 24 個月。運輸: 室溫最多可保存3週。乾燥。

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