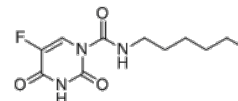


Product Name : Carmofur
Cat. No. : PC-47071
CAS No. : 61422-45-5
Molecular Formula : C₁₁H₁₆FN₃O₃
Molecular Weight : 257.26
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Carmofur (HCFU) is a pyrimidine analogue with antineoplastic activity, Carmofur is a highly potent acid ceramidase (**ASAH1**) inhibitor with IC₅₀ of 29 nM (rat recombinant ASAH1).

Carmofur inhibits acid ceramidase (ASAH1) activity and elevates tissue ceramide levels, both in vitro and in vivo.

Carmofur act synergistically with standard antitumoral drugs to prevent cancer cell proliferation.

Carmofur is highly effective and specifically target glioblastoma GSCs.

References

Doan NB, et al. *Oncol Rep.* 2017 Oct;38(4):1932-1940.

Natalia Realini, et al. *Sci Rep.* 2013;3:1035. doi: 10.1038/srep01035.

Doan NB, et al. *Oncotarget.* 2017 Nov 7;8(68):112662-112674.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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