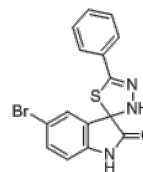


Product Name : Lipofermata
Cat. No. : PC-35366
CAS No. : 297180-15-5
Molecular Formula : C₁₅H₁₀BrN₃OS
Molecular Weight : 360.229
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Lipofermata (CB16.2 aka) is a specific **fatty acid transport (FATP)** inhibitor, blocks human **FATP2**-mediated fatty acid uptake (IC₅₀=4.84 uM in Caco-2 cells) without impacting other cellular functions.

Lipofermata demonstrates cellular transport inhibition activity models for myocytes (mmC2C12), pancreatic β-cells (rnINS-1E), intestinal epithelial cells (hsCaco-2), and hepatocytes (hsHepG2), as well as primary human adipocytes, which is specific for long and very long chain fatty acids but has no effect on medium chain fatty acids (C6-C10).

Lipofermata also abrogates lipid transport into melanoma cells and reduces melanoma growth and invasion.

References

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Sandoval A, et al. *Biochem Pharmacol.* 2010 Apr 1;79(7):990-9.

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

E-mail: tech@probechem.com