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## INFLUENCE OF INTERFACIAL AND BULK PROPERTIES OF CELLULOSE ETHERS ON LIPOLYSIS OF OIL-IN-WATER EMULSIONS

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### HIGHLIGHTS

- Cellulose ethers are able to delay *in vitro* lipolysis of emulsions.
- This inhibition is not affected by cellulose molecular weight or methyl content.
- Cellulose interfacial activity plays a key role on lipolysis of emulsified oil.
- Cellulose ethers resist displacement by bile salts from the oil-water interface.
- Their interfacial resistance is independent of molecular weight and methyl content.

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