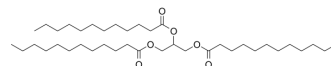


Trilaurin

| | | | |
|---------------------------|--|-------|----------|
| Cat. No.: | HY-126573 | | |
| CAS No.: | 538-24-9 | | |
| Molecular Formula: | C ₃₉ H ₇₄ O ₆ | | |
| Molecular Weight: | 639 | | |
| Target: | Others; Endogenous Metabolite | | |
| Pathway: | Others; Metabolic Enzyme/Protease | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 4 mg/mL (6.26 mM; ultrasonic and warming and heat to 60°C)

| Concentration | Mass | | |
|---------------|-----------|-----------|------------|
| | 1 mg | 5 mg | 10 mg |
| 1 mM | 1.5649 mL | 7.8247 mL | 15.6495 mL |
| 5 mM | 0.3130 mL | 1.5649 mL | 3.1299 mL |
| 10 mM | --- | --- | --- |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

| | |
|-------------------------------------|---|
| Description | Trilaurin could inhibit the formation of neoplasms initiated by dimethylbenzanthracene (DMBA) and promoted by croton oil [1]. |
| IC₅₀ & Target | Human Endogenous Metabolite |

REFERENCES

[1]. W Johnson Jr, et al. Final report on the safety assessment of trilaurin, triarachidin, tribehenin, tricaprln, tricapyrlin, trierucin, triheptanoin, triheptylundecanoin, triisononanoin, triisopalmitin, triisostearin, trilinolein, trimyristin, trioctanoin, triolein, tripalmitin, tripalmitolein, triricinolein, tristearin, triundecanoin, glyceryl triacetyl hydroxystearate, glyceryl triacetyl ricinoleate, and glyceryl stearate diacetate. Int J Toxicol. 2001;20 Suppl 4:61-94.

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

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