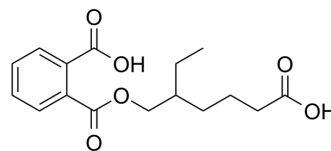


Mono(5-carboxy-2-ethylpentyl) phthalate

Cat. No.:	HY-133675
CAS No.:	40809-41-4
Molecular Formula:	C ₁₆ H ₂₀ O ₆
Molecular Weight:	308.33
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Mono(5-carboxy-2-ethylpentyl) phthalate (MECPP) is a metabolite of Di-(2-ethylhexyl) phthalate (DEHP). Di(2-ethylhexyl) phthalate is the predominant plasticizer added to rigid polyvinyl chloride (PVC) to impart flexibility, temperature tolerance, optical clarity, strength and resistance to kinking^{[1][2]}.

REFERENCES

- [1]. Sjöberg P, et al. Effects of di-(2-ethylhexyl) phthalate and five of its metabolites on rat testis in vivo and in vitro. *Acta Pharmacol Toxicol (Copenh)*. 1986;58(3):225-233.
- [2]. Van Vliet ED, et al. A review of alternatives to di (2-ethylhexyl) phthalate-containing medical devices in the neonatal intensive care unit [published correction appears in *J Perinatol*. 2012 Aug;32(8):648]. *J Perinatol*. 2011;31(8):551-560.

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

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