

ChemSpider

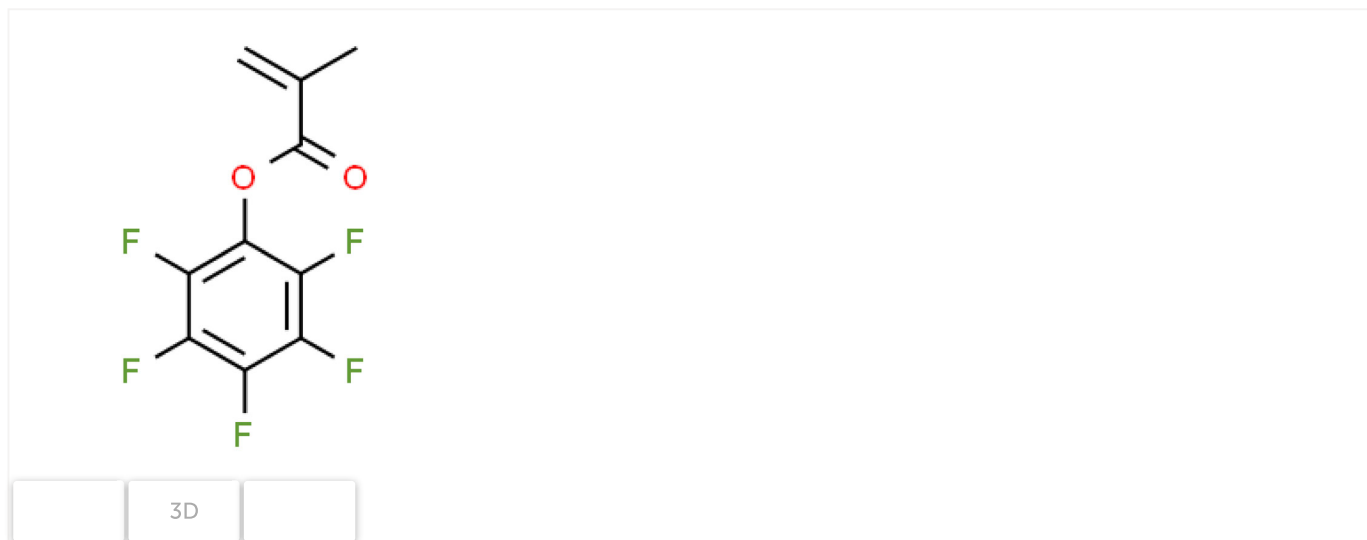
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For medical information relating to Covid-19, please consult the [World Health Organisation](#) or local healthcare provision.

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Found 1 result

Search term: **13642-97-2** (Found by approved synonym)



Pentafluorophenyl methacrylate

Molecular Formula

C₁₀H₅F₅O₂

Average mass

252.137 Da

Monoisotopic mass

252.020966 Da

More details:

[Names](#)

[Properties](#)

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- [Experimental data](#)
- [Predicted - ACD/Labs](#)

Feedback





- [Predicted - Mcule](#)

Gas Chromatography

Retention Index (Kovats):

Retention Index (Linear):

Predicted data is generated using the [ACD/Labs Percepta Platform - PhysChem Module](#), version: 14.00

Density:	1.4±0.1 g/cm ³
Boiling Point:	239.3±40.0 °C at 760 mmHg
Vapour Pressure:	0.0±0.5 mmHg at 25°C
Enthalpy of Vaporization:	47.6±3.0 kJ/mol
Flash Point:	98.3±29.6 °C
Index of Refraction:	1.440
Molar Refractivity:	46.4±0.3 cm ³
#H bond acceptors:	2
#H bond donors:	0
#Freely Rotating Bonds:	3
#Rule of 5 Violations:	0
ACD/LogP:	3.10
ACD/LogD (pH 5.5):	3.02
ACD/BCF (pH 5.5):	115.55
ACD/KOC (pH 5.5):	1042.65
ACD/LogD (pH 7.4):	3.02
ACD/BCF (pH 7.4):	115.55

Feedback



Polar Surface Area:	26 Å ²
Polarizability:	18.4±0.5 10 ⁻²⁴ cm ³
Surface Tension:	29.2±3.0 dyne/cm
Molar Volume:	176.0±3.0 cm ³

Predicted data is generated using the [US Environmental Protection Agency's EPI Suite™](#)