

Product Data Sheet

Product Name: Perfluoroheptanoic Acid

Cat. No.: GC52304

Chemical Properties

Cas. No. 375-85-9

SMILES O=C(C(F)(C(F)(C(F)(C(F)(C(F)(F)F)F)F)F)O

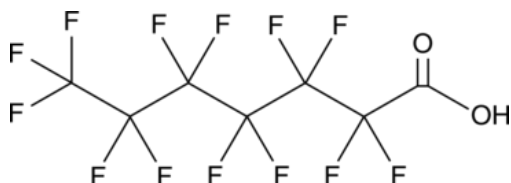
Formula $C_7HF_{13}O_2$ M.Wt 364.1

Solubility PBS (pH 7.2): 2 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Perfluoroheptanoic acid (PFHpA) is a perfluoroalkyl substance (PFAS).¹ Prenatal exposure to PFHpA is positively correlated with preterm birth, primarily in male infants. It is also positively correlated with fat mass, body mass index (BMI), and waist circumference in females but negatively associated with BMI, waist circumference, and weight-to-height ratio in males.²

1. Liao, Q., Tang, P., Song, Y., et al. Association of single and multiple prefluoroalkyl substances exposure with preterm birth: Results from a Chinese birth cohort study *Chemosphere* 307(Pt 1)135741(2022) 2. Zhang, S., Lei, X., Zhang, Y., et al. Prenatal exposure to per- and polyfluoroalkyl substances and childhood adiposity at 7 years of age *Chemosphere* 307(Pt 4)136077(2022)

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA