



>>Entry Name: 3-(3-Fluorophenyl)propanoic acid

Synonym(s): 3-Fluorobenzenepropanoic acid, 9CI. *m*-Fluorohydrocinnamic acid, 8CI

CAS Registry Number: 458-45-7

Structure by analogy with 3-(2-Fluorophenyl)propanoic acid, [FGG17-E](#)

Molecular Formula: C₉H₉FO₂

Molecular Weight: 168.167

Accurate Mass: 168.058658

Percentage Composition: C 64.28%; H 5.39%; F 11.30%; O 19.03%

Melting Point: Mp 46°

>>Derivative: Amide

Molecular Formula: C₉H₁₀FNO

Molecular Weight: 167.183

Accurate Mass: 167.074642

Percentage Composition: C 64.66%; H 6.03%; F 11.36%; N 8.38%; O 9.57%

Melting Point: Mp 95.5°

References:

Schiemann, G. *et al.*, *Ber.*, 1932, **65**, 1438, (*synth*)

Zalewski, R., *CA*, 1974, **81**, 11965a, (*uv*)