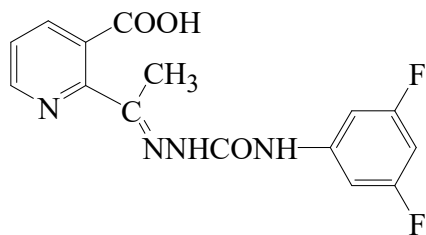




>>Entry Name: **Diffenozopyr**

Synonym(s): 2-[1-[[[(3,5-Difluorophenyl)amino]carbonyl]hydrazono]ethyl]-3-pyridinecarboxylic acid, 9Cl. BAS 654 OO H



CAS Registry Number: 109293-97-2

Related CAS Registry Numbers(s): 109293-98-3

Molecular Formula: C₁₅H₁₂F₂N₄O₃

Molecular Weight: 334.282

Accurate Mass: 334.087747

Percentage Composition: C 53.90%; H 3.62%; F 11.37%; N 16.76%; O 14.36%

Use/Importance: Polar auxin transport inhibitor. Systemic, post-emergence herbicide

Physical Description: Solid

Melting Point: Mp 155 dec.°

pKa Value: pK_a 3.18

References:

Japan. Pat., 1987, *Sandoz*, 6 245 570; *CA*, **107**, 77447m, (*synth, activity*)

Pesticide Manual, 11th edn., 1997, 50