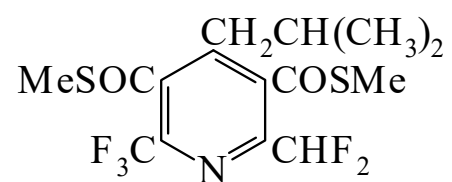




>>Entry Name: Dithiopyr, BSI

Synonym(s): Dimethyl 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-3,5-pyridinedicarbothioate, 9CI



CAS Registry Number: 97886-45-8

Molecular Formula: C<sub>15</sub>H<sub>16</sub>F<sub>5</sub>NO<sub>2</sub>S<sub>2</sub>

Molecular Weight: 401.421

Accurate Mass: 401.054259

Percentage Composition: C 44.88%; H 4.02%; F 23.66%; N 3.49%; O 7.97%; S 15.98%

Use/Importance: Herbicide

Physical Description: Oil

Refractive Index: n<sub>D</sub><sup>25</sup> 1.4788

Hazard & Toxicity: LD<sub>50</sub> (rat, orl) >5000 mg/kg

#### References:

*Eur. Pat.*, 1985, 133 612; *CA*, **104**, 19514h, (*synth, activity*)

Lee, L.F. *et al.*, *Pestic. Sci.*, 1991, **31**, 555, (*synth, analogues*)

*Pesticide Manual*, 9th edn., 1991, No. 5395

Reicher, Z.J. *et al.*, *Weed Technol.*, 1991, **5**, 387, (*activity*)

Feng, P.C.C. *et al.*, *Xenobiotica*, 1991, **21**, 1265, (*metab*)