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Typical Product Specifications & Properties

Benfluralin (N-Butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl)benzenamine)

CAS Number: : 1861-40-1

Specifications	Limits
Molecular weight	335.28
EINECS	217-465-2
SMILES	<chem>c1(c(cc(C(F)(F)F)cc1[N+](=O)[O-])[N+](=O)[O-])N(CCCC)CC</chem>
InChI	SMDHCQAYESWHAE-UHFFFAOYSA-N
InChIKey	1S/C13H16F3N3O4/c1-3-5-6-17(4-2)12-10(18(20)21)7-9(13(14,15)16)8-11(12)19(22)23/h7-8H,3-6H2,1-2H3
Vapor Pressure	6.53E-05 mm Hg
Melting Point	66 ° C
Boiling Point	370 ° C
Atmospheric OH Rate Constant	8.20E-11 cm ³ /molecule-sec
Water solubility	0.1 mg/L
Henry's Law Constant	2.91E-04 atm-m ³ /mole
log P (octanol-water)	5.29



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Specifications	Limits
Form	Crystalline Solid
Color	Yellow-orange
Melting Point	65-66.5°
Merck	13,1037
Storage Temperature	0-6°C



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