

Isonipecotic acid, N-(3-fluoro-4-trifluoromethylbenzoyl)-, dodecyl ester

InChI: InChI=1S/C26H37F4NO3/c1-2-3-4-5-6-7-8-9-10-11-18-34-25(33)20-14-16-31(17-15-20)2
InChIKey: WJCMBEXYZCCRJI-UHFFFAOYSA-N

Formula: C₂₆H₃₇F₄NO₃

SMILES: CCCCCCCCCCOC(=O)C1CCN(C(=O)c2ccc(C(F)(F)F)c(F)c2)CC1

Mol. weight [g/mol]: 487.57

Physical Properties

Property code	Value	Unit	Source
log10ws	-8.26		Crippen Method
logp	7.161		Crippen Method
mcvol	368.650	ml/mol	McGowan Method
rinpol	3149.00		NIST Webbook
rinpol	3149.00		NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method: https://www.cheméo.com/doc/models/crippen_log10ws

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U361476&Units=SI>

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rinpol: Non-polar retention indices

Latest version available from:

<https://www.cheméo.com/cid/68-957-5/Isonipecotic-acid-N-3-fluoro-4-trifluoromethylbenzoyl-dodecyl-ester.pdf>

Generated by Cheméo on 2024-04-24 20:38:51.855552981 +0000 UTC m=+16280380.776130298.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.