2-(2-fluorophenyl)ethylamine

Other names: 2-(2-fluorophenyl)ethan-1-amine
Inchi: InChI=1S/C8H10FN/c9-8-4-2-1-3-7(8)5-6-10/h1-4H,5-6,10H2
InchiKey: RIKUOLJPJNVTEP-UHFFFAOYSA-N
Formula: C8H10FN
SMILES: NCCc1ccccc1F
Mol. weight [g/mol]: 139.17

Physical Properties

Property code	Value	Unit	Source
hf	-154.38	kJ/mol	Cheméo Relay (1.0)
hfus	18.41	kJ/mol	Joback Method
hvap	56.88	kJ/mol	Cheméo Relay (1.0)
ie	8.77	eV	Cheméo Relay (1.0)
logp	1.327		Crippen Method
mcvol	111.570	ml/mol	McGowan Method
tb	467.92	K	Cheméo Relay (1.0)
tc	685.75	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	237.11	J/mol×K	485.90	Joback Method
cpg	249.06	J/mol×K	521.31	Joback Method
cpg	260.32	J/mol×K	556.72	Joback Method
cpg	270.92	J/mol×K	592.13	Joback Method
cpg	280.87	J/mol×K	627.54	Joback Method
cpg	290.21	J/mol×K	662.95	Joback Method
cpg	298.96	J/mol×K	698.36	Joback Method

Sources

Cheméo Relay (1.0, beta):

Experimental Study of a Hydrophobic Solvent for Natural Gas Sweetening Based on the Solubility and Selectivity for Light Hydrocarbons (CH4, C2H6) and Acid Gases (CO2 and H2S) at 298-353 K:	https://www.doi.org/10.1021/acs.jced.8b00735
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Cheméo Relay (1.0):

Legend

cpg:	Ideal gas heat capacity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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