

BENZYLTRIMETHYLAMMONIUM BROMIDE

Other names:	(Benzyltrimethyl)ammonium bromide(btm) (Trimethylbenzyl)ammonium bromide Ammonium, (benzyltrimethyl)-, bromide Benzenemethanaminium, N,N,N-trimethyl-, bromide N-Benzyl-N,N,N-trimethylammonium bromide WV 562
Inchi:	InChI=1S/C10H16N.BrH/c1-11(2,3)9-10-7-5-4-6-8-10;/h4-8H,9H2,1-3H3;1H/q+1;/p-1
InchiKey:	UUZYBYIOAZTMGC-UHFFFAOYSA-M
Formula:	C10H16BrN
SMILES:	C[N+](C)(C)Cc1ccccc1.[Br-]
Mol. weight [g/mol]:	230.15

Physical Properties

Property code	Value	Unit	Source
af	0.1967		Cheméo Relay (1.0)
gf	309.93	kJ/mol	Cheméo Relay (1.0, beta)
hf	-248.68	kJ/mol	Cheméo Relay (1.0)
hvap	67.75	kJ/mol	Cheméo Relay (1.0)
ie	9.26	eV	Cheméo Relay (1.0)
log10ws	-2.19		Cheméo Relay (1.0)
pc	3333.81	kPa	Cheméo Relay (1.0, beta)
tb	553.16	K	Cheméo Relay (1.0)
tc	702.02	K	Cheméo Relay (1.0)
tf	594.71	K	Cheméo Relay (1.0)
vc	0.480	m3/kmol	Cheméo Relay (1.0)

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C5350414&Units=SI
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	

Legend

af:	Acentric Factor
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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