

Tetraheptylammonium iodide

| | |
|-----------------------------|---|
| Other names: | 1-Heptanaminium, N,N,N-triheptyl-, iodide 1-heptanaminium, N,N,N-triheptyl-, iodide Ammonium, tetraheptyl-, iodide N,N,N-triheptyl-1-heptanaminium iodide Tetra-n-heptylammonium iodide |
| Inchi: | InChI=1S/C28H60N.HI/c1-5-9-13-17-21-25-29(26-22-18-14-10-6-2,27-23-19-15-11-7-3)2 |
| InchiKey: | KCSOHLKZTZMKQA-UHFFFAOYSA-M |
| Formula: | C28H60IN |
| SMILES: | CCCCCCC[N+](CCCCCCC)(CCCCCCC)CCCCC.[I-] |
| Mol. weight [g/mol]: | 537.69 |
| CAS: | 3535-83-9 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------------|------|--------------|
| tf | 396.20 ± 0.50 | K | NIST Webbook |

Sources

Ion-Pair and Triple-Ion Formation by Some Tetraalkylammonium Iodides in Binary Mixtures of 1,4-Dioxane
Ion-Pair and Triple-Ion Formation by Some Tetraalkylammonium Iodides in Binary Mixtures of Carbon Tetrachloride + Nitrobenzene:

<https://www.doi.org/10.1021/je7004787>

<https://www.doi.org/10.1021/je800885h>

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C3535839&Units=SI>

Legend

tf: Normal melting (fusion) point

Latest version available from:

<https://www.cheméo.com/cid/37-588-9/Tetraheptylammonium-iodide.pdf>

Generated by Cheméo on 2024-04-28 23:34:57.440311142 +0000 UTC m=+16636546.360888464.

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