# Supplier Price Data for Materials

* **Dimethylformamide (DMF)** – TCI Chemical (Tokyo Chemical Ind.) lists DMF (99.8%) 25 mL at \$17.00[[1]](https://www.tcichemicals.com/US/en/p/D0722#:~:text=Size%20Unit%20Price%20Philadelphia%2C%20PA,Quantity%2025ML). ChemicalBook data show AK Scientific DMF (500 mL) at \$67.00[[2]](https://www.chemicalbook.com/Price/N-N-Dimethylformamide.htm#:~:text=,16%20%2A%20Buy) and Chem-Impex DMF (250 mL) at \$11.20[[3]](https://www.chemicalbook.com/Price/N-N-Dimethylformamide.htm#:~:text=Chem,Dimethylformamide%2C%E2%89%A599.8%25%28GC%29%2CACSreagentHazmat%20%E2%89%A599.8%25%28GC%29%201L).
* **Toluene** – Sigma-Aldrich offers ACS-grade toluene: 500 mL for \$41.37 and 1 L for \$88.50[[4]](https://www.sigmaaldrich.com/US/en/product/sigald/179418?srsltid=AfmBOoqDF_EmU-v2J2YLoxpXrvmvXNagjaWCTf0kkyAr2Kq1JPqmb9y2#:~:text=500%20ML).
* **Acetic Anhydride** – The Science Company sells acetic anhydride (purified, 97%) 500 mL for \$29.95[[5]](https://www.sciencecompany.com/Acetic-Anhydride-500mL-P17552#:~:text=%2A%20Cat%20No.%20).
* **Citric Acid** – Sigma-Aldrich lists citric acid (ACS reagent, ≥99.5%) 500 g for \$89.80[[6]](https://www.sigmaaldrich.com/US/en/product/sial/251275?srsltid=AfmBOoofcgUy-fW2G98DnjAxmSAGWdre4s1bMVB4rK5BHVg_33-kB6XF#:~:text=%2450).
* **Piperidine** – Sigma-Aldrich (via CP Lab Safety) offers piperidine 99% (ReagentPlus) 100 mL (case of 4 × 100 mL) at \$246.41[[7]](https://www.calpaclab.com/piperidine-reagent-plus-99-percent-100ml-millipore-sigma/mil-104094-4x100ml?srsltid=AfmBOoreeR9wj-wsQBzq0Fv0XcShauUcdCULuNJ_6_b5hXN8l2jJOFKd#:~:text=MSRP%3A) (≈\$61.60 each).
* **Magnesium Stearate** – ChemicalBook shows Chem-Impex sells magnesium stearate (USP, 90% basis) 250 g for \$16.80[[8]](https://www.chemicalbook.com/Price/Magnesium-stearate.htm#:~:text=%2A%20Manufacturer%20Chem,16%20%2A%20Buy) (Ambeed offers 1 kg for \$25[[9]](https://www.chemicalbook.com/Price/Magnesium-stearate.htm#:~:text=,16%20%2A%20Buy)).
* **Sodium Hydroxide (NaOH)** – Sigma-Aldrich lists NaOH pellets (ACS reagent, ≥97%) 500 g for \$85.20[[10]](https://www.sigmaaldrich.com/US/en/product/sigald/221465?srsltid=AfmBOooquqompZveoyDgbtJ0dmJRgzbFAnKzmRLJ8IO5qlXK0SzZuYa1#:~:text=500%20G).
* **Hydrochloric Acid (HCl)** – Lab Alley offers HCl 37% (ACS grade) 500 mL for \$72.60[[11]](https://www.laballey.com/products/hydrochloric-acid-37-percent-solution-acs-grade?srsltid=AfmBOoqPlfViRI0bSuc-hzgUp6CbqYcaNjiwPQBorMcTkwCxbrzla7Uc#:~:text=match%20at%20L657%20Select%20size%3A,%24334.06%2055).
* **Methanol** – ChemPure brand lists methanol 100% (HPLC grade) 4 L for \$55.00[[12]](https://www.chemicalbook.com/Price/Methanol-2.htm#:~:text=,16%20%2A%20Buy).
* **Ethanol** – Sigma-Aldrich sells ethanol (≥95%) 1 gal (~3.8 L) for \$133.00[[13]](https://www.chemicalbook.com/ChemicalProductProperty_EN_CB2362508.htm#:~:text=Product%20number%20Packaging%20Price%20Buy,R8382%201gal%20%24133%20Buy).
* **Triethylchlorosilane (TES–Cl)** – Spectrum Chemical lists 100 mL of TES (99%) at \$1,114.28[[14]](https://www.calpaclab.com/triethylchlorosilane-100ml-each/spc-t2087-100ml?srsltid=AfmBOopqikhfWTSWbLM_yuYav7lhp-a4wc0iqbeUbOLjOdpqjAe9oeNI#:~:text=MSRP%3A).
* **Trimethylsilyl Cyanide (TMS–CN)** – Sigma-Aldrich sells 5 g of TMS–CN (98%) for \$57.80[[15]](https://www.sigmaaldrich.com/US/en/product/aldrich/212849?srsltid=AfmBOorsUxZOuOC4HOk9vOIkttsqGgTBbQ3T_alBt3gZKIh4ToqQ17CP#:~:text=5%20G).
* **Tapentadol HCl (IP)** – PharmaCompass import data report Tapentadol HCl IP around \$650–\$925 per kg (e.g. Feb–Mar 2022)[[16]](https://www.pharmacompass.com/price/tapentadol#:~:text=%3A%222%22%2C%22unit%22%3A%22KGS%22%2C%22unitRateFc%22%3A%22650%22%2C%22totalValueFC%22%3A%221200.7%22%2C%22currency%22%3A%22USD%22%2C%22u%20nitRateINR%22%3A45000%2C%22date%22%3A%2228)[[17]](https://www.pharmacompass.com/price/tapentadol#:~:text=1%22%2C%22unit%22%3A%22KGS%22%2C%22unitRateFc%22%3A%22925%22%2C%22totalValueFC%22%3A%22747.8%22%2C%22currency%22%3A%22USD%22%2C%22unit%20RateINR%22%3A57000%2C%22date%22%3A%2203).

Each price above is from a real supplier quote or database (see references). Currency is USD unless indicated. (Suppliers are global and include lab chemical distributors and industry data sources.)

**Sources:** Cited vendor and chemical database pages[[1]](https://www.tcichemicals.com/US/en/p/D0722#:~:text=Size%20Unit%20Price%20Philadelphia%2C%20PA,Quantity%2025ML)[[2]](https://www.chemicalbook.com/Price/N-N-Dimethylformamide.htm#:~:text=,16%20%2A%20Buy)[[3]](https://www.chemicalbook.com/Price/N-N-Dimethylformamide.htm#:~:text=Chem,Dimethylformamide%2C%E2%89%A599.8%25%28GC%29%2CACSreagentHazmat%20%E2%89%A599.8%25%28GC%29%201L)[[4]](https://www.sigmaaldrich.com/US/en/product/sigald/179418?srsltid=AfmBOoqDF_EmU-v2J2YLoxpXrvmvXNagjaWCTf0kkyAr2Kq1JPqmb9y2#:~:text=500%20ML)[[5]](https://www.sciencecompany.com/Acetic-Anhydride-500mL-P17552#:~:text=%2A%20Cat%20No.%20)[[6]](https://www.sigmaaldrich.com/US/en/product/sial/251275?srsltid=AfmBOoofcgUy-fW2G98DnjAxmSAGWdre4s1bMVB4rK5BHVg_33-kB6XF#:~:text=%2450)[[7]](https://www.calpaclab.com/piperidine-reagent-plus-99-percent-100ml-millipore-sigma/mil-104094-4x100ml?srsltid=AfmBOoreeR9wj-wsQBzq0Fv0XcShauUcdCULuNJ_6_b5hXN8l2jJOFKd#:~:text=MSRP%3A)[[8]](https://www.chemicalbook.com/Price/Magnesium-stearate.htm#:~:text=%2A%20Manufacturer%20Chem,16%20%2A%20Buy)[[10]](https://www.sigmaaldrich.com/US/en/product/sigald/221465?srsltid=AfmBOooquqompZveoyDgbtJ0dmJRgzbFAnKzmRLJ8IO5qlXK0SzZuYa1#:~:text=500%20G)[[11]](https://www.laballey.com/products/hydrochloric-acid-37-percent-solution-acs-grade?srsltid=AfmBOoqPlfViRI0bSuc-hzgUp6CbqYcaNjiwPQBorMcTkwCxbrzla7Uc#:~:text=match%20at%20L657%20Select%20size%3A,%24334.06%2055)[[12]](https://www.chemicalbook.com/Price/Methanol-2.htm#:~:text=,16%20%2A%20Buy)[[13]](https://www.chemicalbook.com/ChemicalProductProperty_EN_CB2362508.htm#:~:text=Product%20number%20Packaging%20Price%20Buy,R8382%201gal%20%24133%20Buy)[[14]](https://www.calpaclab.com/triethylchlorosilane-100ml-each/spc-t2087-100ml?srsltid=AfmBOopqikhfWTSWbLM_yuYav7lhp-a4wc0iqbeUbOLjOdpqjAe9oeNI#:~:text=MSRP%3A)[[15]](https://www.sigmaaldrich.com/US/en/product/aldrich/212849?srsltid=AfmBOorsUxZOuOC4HOk9vOIkttsqGgTBbQ3T_alBt3gZKIh4ToqQ17CP#:~:text=5%20G)[[16]](https://www.pharmacompass.com/price/tapentadol#:~:text=%3A%222%22%2C%22unit%22%3A%22KGS%22%2C%22unitRateFc%22%3A%22650%22%2C%22totalValueFC%22%3A%221200.7%22%2C%22currency%22%3A%22USD%22%2C%22u%20nitRateINR%22%3A45000%2C%22date%22%3A%2228)[[17]](https://www.pharmacompass.com/price/tapentadol#:~:text=1%22%2C%22unit%22%3A%22KGS%22%2C%22unitRateFc%22%3A%22925%22%2C%22totalValueFC%22%3A%22747.8%22%2C%22currency%22%3A%22USD%22%2C%22unit%20RateINR%22%3A57000%2C%22date%22%3A%2203).

[[1]](https://www.tcichemicals.com/US/en/p/D0722#:~:text=Size%20Unit%20Price%20Philadelphia%2C%20PA,Quantity%2025ML) N,N-Dimethylformamide 68-12-2 | TCI AMERICA

<https://www.tcichemicals.com/US/en/p/D0722>

[[2]](https://www.chemicalbook.com/Price/N-N-Dimethylformamide.htm#:~:text=,16%20%2A%20Buy) [[3]](https://www.chemicalbook.com/Price/N-N-Dimethylformamide.htm#:~:text=Chem,Dimethylformamide%2C%E2%89%A599.8%25%28GC%29%2CACSreagentHazmat%20%E2%89%A599.8%25%28GC%29%201L) N,N-Dimethylformamide price,buy N,N-Dimethylformamide - chemicalbook

<https://www.chemicalbook.com/Price/N-N-Dimethylformamide.htm>

[[4]](https://www.sigmaaldrich.com/US/en/product/sigald/179418?srsltid=AfmBOoqDF_EmU-v2J2YLoxpXrvmvXNagjaWCTf0kkyAr2Kq1JPqmb9y2#:~:text=500%20ML) Toluene ACS reagent, = 99.5 108-88-3

<https://www.sigmaaldrich.com/US/en/product/sigald/179418?srsltid=AfmBOoqDF_EmU-v2J2YLoxpXrvmvXNagjaWCTf0kkyAr2Kq1JPqmb9y2>

[[5]](https://www.sciencecompany.com/Acetic-Anhydride-500mL-P17552#:~:text=%2A%20Cat%20No.%20) Acetic Anhydride, 500mL for sale. Buy from The Science Company.

<https://www.sciencecompany.com/Acetic-Anhydride-500mL-P17552>

[[6]](https://www.sigmaaldrich.com/US/en/product/sial/251275?srsltid=AfmBOoofcgUy-fW2G98DnjAxmSAGWdre4s1bMVB4rK5BHVg_33-kB6XF#:~:text=%2450) Citric acid ACS reagent, = 99.5 77-92-9

<https://www.sigmaaldrich.com/US/en/product/sial/251275?srsltid=AfmBOoofcgUy-fW2G98DnjAxmSAGWdre4s1bMVB4rK5BHVg_33-kB6XF>

[[7]](https://www.calpaclab.com/piperidine-reagent-plus-99-percent-100ml-millipore-sigma/mil-104094-4x100ml?srsltid=AfmBOoreeR9wj-wsQBzq0Fv0XcShauUcdCULuNJ_6_b5hXN8l2jJOFKd#:~:text=MSRP%3A) Piperidine, Reagent Plus 99%, 100mL, case/4

<https://www.calpaclab.com/piperidine-reagent-plus-99-percent-100ml-millipore-sigma/mil-104094-4x100ml?srsltid=AfmBOoreeR9wj-wsQBzq0Fv0XcShauUcdCULuNJ_6_b5hXN8l2jJOFKd>

[[8]](https://www.chemicalbook.com/Price/Magnesium-stearate.htm#:~:text=%2A%20Manufacturer%20Chem,16%20%2A%20Buy) [[9]](https://www.chemicalbook.com/Price/Magnesium-stearate.htm#:~:text=,16%20%2A%20Buy) Magnesium stearate price,buy Magnesium stearate - chemicalbook

<https://www.chemicalbook.com/Price/Magnesium-stearate.htm>

[[10]](https://www.sigmaaldrich.com/US/en/product/sigald/221465?srsltid=AfmBOooquqompZveoyDgbtJ0dmJRgzbFAnKzmRLJ8IO5qlXK0SzZuYa1#:~:text=500%20G) Sodium hydroxide ACS reagent, = 97.0 , pellets 1310-73-2

<https://www.sigmaaldrich.com/US/en/product/sigald/221465?srsltid=AfmBOooquqompZveoyDgbtJ0dmJRgzbFAnKzmRLJ8IO5qlXK0SzZuYa1>

[[11]](https://www.laballey.com/products/hydrochloric-acid-37-percent-solution-acs-grade?srsltid=AfmBOoqPlfViRI0bSuc-hzgUp6CbqYcaNjiwPQBorMcTkwCxbrzla7Uc#:~:text=match%20at%20L657%20Select%20size%3A,%24334.06%2055) Hydrochloric Acid 37% Solution, ACS Reagent Grade | Lab Alley

<https://www.laballey.com/products/hydrochloric-acid-37-percent-solution-acs-grade?srsltid=AfmBOoqPlfViRI0bSuc-hzgUp6CbqYcaNjiwPQBorMcTkwCxbrzla7Uc>

[[12]](https://www.chemicalbook.com/Price/Methanol-2.htm#:~:text=,16%20%2A%20Buy) Methanol price,buy Methanol - chemicalbook

<https://www.chemicalbook.com/Price/Methanol-2.htm>

[[13]](https://www.chemicalbook.com/ChemicalProductProperty_EN_CB2362508.htm#:~:text=Product%20number%20Packaging%20Price%20Buy,R8382%201gal%20%24133%20Buy) Ethanol | 64-17-5

<https://www.chemicalbook.com/ChemicalProductProperty_EN_CB2362508.htm>

[[14]](https://www.calpaclab.com/triethylchlorosilane-100ml-each/spc-t2087-100ml?srsltid=AfmBOopqikhfWTSWbLM_yuYav7lhp-a4wc0iqbeUbOLjOdpqjAe9oeNI#:~:text=MSRP%3A) HAZMAT (Dangerous Goods) - Triethylchlorosilane, 100mL

<https://www.calpaclab.com/triethylchlorosilane-100ml-each/spc-t2087-100ml?srsltid=AfmBOopqikhfWTSWbLM_yuYav7lhp-a4wc0iqbeUbOLjOdpqjAe9oeNI>

[[15]](https://www.sigmaaldrich.com/US/en/product/aldrich/212849?srsltid=AfmBOorsUxZOuOC4HOk9vOIkttsqGgTBbQ3T_alBt3gZKIh4ToqQ17CP#:~:text=5%20G) Trimethylsilyl cyanide 98 7677-24-9

<https://www.sigmaaldrich.com/US/en/product/aldrich/212849?srsltid=AfmBOorsUxZOuOC4HOk9vOIkttsqGgTBbQ3T_alBt3gZKIh4ToqQ17CP>

[[16]](https://www.pharmacompass.com/price/tapentadol#:~:text=%3A%222%22%2C%22unit%22%3A%22KGS%22%2C%22unitRateFc%22%3A%22650%22%2C%22totalValueFC%22%3A%221200.7%22%2C%22currency%22%3A%22USD%22%2C%22u%20nitRateINR%22%3A45000%2C%22date%22%3A%2228) [[17]](https://www.pharmacompass.com/price/tapentadol#:~:text=1%22%2C%22unit%22%3A%22KGS%22%2C%22unitRateFc%22%3A%22925%22%2C%22totalValueFC%22%3A%22747.8%22%2C%22currency%22%3A%22USD%22%2C%22unit%20RateINR%22%3A57000%2C%22date%22%3A%2203) Tapentadol | Price | per kg | USD | PharmaCompass.com

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