

Carbon-14 Pre-cursors for Manufacture of Labelled Compounds

Product Availability

Compound	Formula	Specific Activity (mCi/mmol)	Radio-chemical Purity	Chemical Purity	Form	Package	Storage
Potassium Cyanide	K ¹⁴ CN	50 - 60	≥ 97	≥ 97	Solid	Crimp seal vial	< -20°C
Sodium Cyanide	Na ¹⁴ CN	50 - 60	≥ 97	≥ 97	Solid	Crimp seal vial	< -20°C
Zinc Cyanide	Zn(¹⁴ CN) ₂	100 - 120	≥ 97	≥ 97	Solid	Crimp seal vial	< -20°C
Cuprous Cyanide	Cu ¹⁴ CN	50 - 60	≥ 95	≥ 97	Solid	Crimp seal vial	< -20°C
Barium Cyanamide	Ba ¹⁴ CN ₂	50 - 60	≥ 97	≥ 97	Solid	Crimp seal vial	< -20°C
Methanol	¹⁴ CH ₃ OH	50 - 60	≥ 97	≥ 96	Liquid	Break seal glass vial	< -80°C
Benzene	¹⁴ C ₆ H ₆	50 – 150 as ordered	≥ 97	≥ 97	Liquid	Break seal glass vial	< -20°C
Bromobenzene	¹⁴ C ₆ H ₅ Br	50 – 120 as ordered	≥ 97	≥ 97	Liquid	Break seal glass vial	< -20°C
Aniline hydrochloride	¹⁴ C ₆ H ₅ NH ₂ -HCl	50 – 150 as ordered	≥ 97	≥ 97	Solid	Crimp seal vial	< -20°C
Carbon dioxide	¹⁴ CO ₂	50 - 60	≥ 99	≥ 99	Gas on molecular sieve	Molecular sieve trap with Bellow valve and VCR fitting	ambient
Urea	H ₂ N ¹⁴ CONH ₂	55 – 60	≥ 98	≥ 98	Solid	Crimp seal vial	< -20°C
					Aqueous soln. up to 0.2Ci/ml		2 – 5°C
					Ethanol soln. up to 0.03Ci/ml		< -20°C

Country of Origin

Product is manufactured and supplied from the Research Institute of Nuclear Materials (INM-JSC), P.O. Box 29, Zarechny, Sverdlovsk Region, Russia, 62450

Ordering Process

Product is supplied in pack size of 1 curie nominal activity. To order, specify compound, form (if applicable) and quantity.

Contact

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