

MATERIAL SAFETY DATA SHEET

Date: March 1996

Section I

Supplier's Name: Kirin Brewery Co., Ltd.	Emergency Phone No.: 011-81-3-5485-6209
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Address:
6-26-1 Jingumae Shibuya-ku,
Tokyo 150-11, Japan

Substance Name (Trade Name): KRN5500 Drug Substance	Formula: <chem>C28H49N7O7</chem>
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Hazard Summary:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">Physical Hazards:</td> <td style="padding: 2px;">Unknown</td> </tr> <tr> <td style="padding: 2px;">Health Hazards:</td> <td style="padding: 2px;">See Section V</td> </tr> </table>	Physical Hazards:	Unknown	Health Hazards:	See Section V
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Health Hazards:	See Section V				

Section II: Hazardous Ingredient

Not applicable.

Section III: Physical Data

Appearance and Odor:	White to brownish-white powder
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Optical Rotation: [α] _D ²⁰ : +16 - +18°	Melting Point (°C):	208 - 213 °C (with degradation)
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Solubility in Water (at 25 °C):	Not soluble	Solubility in Methanol:	Slight
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Volatile Material:	None.
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Section IV: Fire and Explosion Data

Inflammability:	Unknown	Explosiveness:	Unknown
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Section V:

Threshold Limit Value:	LD ₅₀ : Mouse, Rat (Oral) = Unknown MTD: Monkey (single i.v.) = 2.5 mg/kg/day MTD: Monkey (5 days i.v.) = 0.2 mg/kg/day
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Effects of Overexposure:	Eye, skin, inhalation, ingestion: Unknown i.v.: Hepatotoxicity, GI toxicity, myelosuppression, renal toxicity
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Emergency and First-Aid Procedures:

If in Eye: Flush with copious amounts of water. Seek medical attention.
If Swallowed: Flush out mouth with water. Seek medical attention.

Section VI: Reactivity Data

Product Stability:	Stable under refrigeration	Conditions to Avoid:	Ambient temperature and high temperatures.
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Section VII:

Steps to be taken in case material is released or spilled: Collect into another container and wash with plenty of N,N-dimethylacetamide or 1% NaOH.

Section VIII:

Protective Equipment:	Goggle, glove, mask
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