



# Mizoribine PRODUCT DATA SHEET

issue date 01/06/2020

<b>Product Name:</b>	Mizoribine
<b>Product Number:</b>	M037
<b>CAS Number:</b>	50924-49-7
<b>Molecular Formula:</b>	$C_9H_{13}N_3O_6$
<b>Molecular Weight:</b>	259.22
<b>Form:</b>	Powder
<b>Solubility:</b>	Water: 20 mg/mL
<b>Storage Conditions:</b>	2-8°C
<b>Description:</b>	Mizoribine is an imidazole nucleoside which acts as an immunosuppressant by inhibiting lymphocyte proliferation. Mizoribine is freely soluble in water (20 mg/mL).
<b>Mechanism of Action:</b>	Mizoribine inhibits inosine monophosphate synthetase and guanosine monophosphate synthetase which halts guanine synthesis and ultimately, DNA synthesis.
<b>References:</b>	Yokota, Shumpei. "Mizoribine: Mode of Action and Effects in Clinical Use." <i>Pediatrics International</i> 44.2 (2002): 196-98. Onlinelibrary.com. Web. 25 June 2013.  Mitoshirocho, Kanda. "Mizoribine and Mycophenolate Mofetil." <i>Current Medicinal Chemistry</i> 6 (1999): 575-97. Ncbi.gov. Web. 25 June 2013.

If you need any help, contact us: [info@toku-e.com](mailto:info@toku-e.com). Find more information on: [www.toku-e.com/](http://www.toku-e.com/)