

产品名称: **Gadodiamide (hydrate)**
 产品别名: 钆双胺 ; **Gadodiamide hydrate**

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| 生物活性: | | | | | |
| Description | Gadodiamide hydrate is a gadolinium-based contrast agent used in MR imaging procedures to assist in the visualization of blood vessels. Target: Others Gadodiamide hydrate is a gadolinium-based contrast agent used in MR imaging procedures to assist in the visualization of blood vessels. Gadodiamide hydrate is a contrast medium for cranial and spinal magnetic resonance imaging (MRI) and for general MRI of the body after intravenous administration. The product provides contrast enhancement and facilitates visualisation of abnormal structures or lesions in various parts of the body including the central nervous system (CNS). A recent review takes the question of toxicity caused by loss of gadolinium from the complex. "The challenge for nephrologists includes (a) evidence of transmetallation, such as gadolinium deposits in bone, increased urinary zinc excretion, iron-transferrin dissociation or 'spurious hypocalcemia' in exposed people" [1]. | | | | |
| Solvent&Solubility | In Vitro: | | | | |
| | DMSO :16 mg/mL (27.04 mM; Need ultrasonic and warming) | | | | |
| | <div>Preparing</div> <div>Stock Solutions</div> | <div>Solvent / Mass / Concentration</div> | 1 mg | 5 mg | 10 mg |
| | | 1 mM | 1.6901 mL | 8.4507 mL | 16.9013 mL |
| | | 5 mM | 0.3380 mL | 1.6901 mL | 3.3803 mL |
| | | 10 mM | 0.1690 mL | 0.8451 mL | 1.6901 mL |
| <p>*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液。一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。</p> <p>储备液的保存方式和期限 -80℃, 6 months; -20℃, 1 month。 -80℃ 储存时，请在 6 个月内使用， -20℃ 储存时，请在 1 个月内使用。</p> | | | | | |
| References | <p>[1]. <u>Canavese, C., et al., Gadolinium-associated nephrogenic systemic fibrosis: the need for nephrologists' awareness. J Nephrol, 2008. 21(3): p. 324-36.</u></p> | | | | |

源叶生物