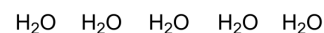
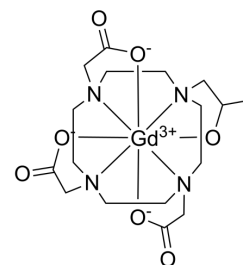


Gadoteridol pentahydrate

Cat. No.:	HY-B0933A
Molecular Formula:	$C_{17}H_{38}GdN_4O_{12}$
Molecular Weight:	647.75
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Gadoteridol pentahydrate is a gadolinium-based magnetic resonance imaging (MRI) contrast agent, used in the imaging of the central nervous system ^[1] .								
In Vivo	<p>Gadoteridol (1 mM; intracerebral injection; once) enhances distribution of rAAV1 in the rat hippocampus^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Sprague-Dawley rats (3 -5 months)^[1]</td> </tr> <tr> <td>Dosage:</td> <td>1 mM/rat</td> </tr> <tr> <td>Administration:</td> <td>Intracerebral injection, once, co-infused with rAAV1 or AAV5</td> </tr> <tr> <td>Result:</td> <td>Increased the transduction efficiency of AAV1 but not AAV5.</td> </tr> </table>	Animal Model:	Sprague-Dawley rats (3 -5 months) ^[1]	Dosage:	1 mM/rat	Administration:	Intracerebral injection, once, co-infused with rAAV1 or AAV5	Result:	Increased the transduction efficiency of AAV1 but not AAV5.
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Dosage:	1 mM/rat								
Administration:	Intracerebral injection, once, co-infused with rAAV1 or AAV5								
Result:	Increased the transduction efficiency of AAV1 but not AAV5.								

CUSTOMER VALIDATION

- Neurosurgery. 2020 Jul 16;87(6):E680-E688.

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REFERENCES

[1]. Hullinger R, et al. The MRI contrast agent gadoteridol enhances distribution of rAAV1 in the rat hippocampus. Gene Ther. 2013 Dec;20(12):1172-7.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA