

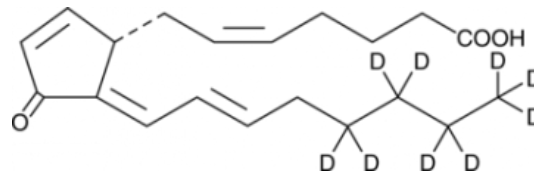


## 15-deoxy- $\Delta^{12,14}$ -Prostaglandin J<sub>2</sub>-d<sub>9</sub>

Cat No: 19347 - 100  $\mu$ g

### General Data

<b>Shipping:</b>	dry ice
<b>Formulation:</b>	A solution in methyl acetate
<b>Purity:</b>	$\geq$ 99% deuterated forms (d1-d9)



### Product Overview

15-deoxy- $\Delta^{12,14}$ -Prostaglandin J<sub>2</sub>-d<sub>9</sub> (15-deoxy- $\Delta^{12,14}$ -PGJ<sub>2</sub>-d<sub>9</sub>) is intended for use as an internal standard for the quantification of 15-deoxy- $\Delta^{12,14}$ -PGJ<sub>2</sub> (Item No. 18570.1) by GC- or LC-MS. 15-deoxy- $\Delta^{12,14}$ -PGJ<sub>2</sub> is formed from PGD<sub>2</sub> (Item No. 12010) by the elimination of two molecules of water. It binds selectively to PPAR $\gamma$  with an EC<sub>50</sub> value of 2  $\mu$ M in a murine chimera system.<sup>{1428,1424}</sup> 15-deoxy- $\Delta^{12,14}$ -PGJ<sub>2</sub> is more potent than PGD<sub>2</sub>,  $\Delta^{12}$ -PGJ<sub>2</sub> (Item No. 18550), and PGJ<sub>2</sub> (Item No. 18500) in stimulating lipogenesis in C3H10T1/2 cells. The EC<sub>50</sub> for induction of adipocyte differentiation in cultured fibroblasts is 7  $\mu$ M.<sup>{1428}</sup>

FP/04/24

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