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## Gd iii Pymta Label Is Suitable For In Cell Epr Journal

**gd(iii)-pymta label is suitable for in-cell epr - pubss** - *gd(iii)-pymta label is suitable for in-cell epr ...*  
*pymta (3) as a reference, we determined a content of 2 mol% of the unidentified compound. the spectra of*  
*4-vinyl-pymta (3) published by yang et al. (figures 2 and s1 in ref.)<sup>1</sup> reveal the same characteristic singlet,*  
*however with a substantially larger **g d (iii)-gd (iii) ridme for in -c ell epr d istance d ...** - favourable*  
*properties of gd(iii)-base d spin labels, conventional gd (iii)-gd (iii) deer with rectangular pulses is still not the*  
*ideal technique for in -cell distance determination because of its low modulation depth and artefacts at short*  
*distances, e.g. below 3.4 nm if gd (iii)-pymta is **new technique for in-cell distance determination** -*  
*gd(iii)-pymta and microjointed into xenopus laevis (african clawed frog) oocytes. in other words, the*  
*researchers used a model system where the precise distance between the spin labels was **communications***  
***and marketing press release no. 20/2019** - with gd(iii)-pymta and microjointed into xenopus laevis (african*  
*clawed frog) oocytes. in other words, the researchers used a model system where the precise distance*  
*between the spin labels was already known, allowing them to verify the ridme measurements. the resulting*  
*paper entitled **originally published in: research collection rights ...** - parameters on the echo intensity is*  
*studied with simulations. herein, larger sensitivity is anticipated for gd(iii) complexes with zero-field splitting*  
*that is smaller than for the employed gd-pymta complex. keywords: chirp pulses, distance measurements,*  
*sensitivity enhancement 1. introduction epr-based distance determination using gd spin ... **conformational***  
***change of a spin labeled peptide in cellula ...** - overcome this limitation, we introduce the gd(iii) based*  
*spin label gd(iii)[2,6-pyridine-bis(methylamino)-n,n,n',n'-tetraacetic acid] (gd-pymta) for intracellular distance*  
*measure- ments with ... with gd-pymta at both cysteine moieties and microinjected into xenopus laevis*  
*oocytes. **quantitative analysis of zero-field splitting parameter ...** - scopic effects observed for gd(iii)*  
*complexes are connected to the mean values and distributions of the zfs parameters. in particular, the*  
*following effects can be influenced by the details of the distributions of zfs parameters: distortions of the*  
*gd(iii)-gd(iii) distance distributions measured by the deer **supplementary information and the impact of***  
***the zero field ...** - gd(iii)-gd(iii) epr distance measurements - the range of accessible distances and the*  
*impact of the zero field splitting arina dalaloyan1,#, mian qi2,#, sharon ruthstein3, shimon vega1, adelheid*  
*godt2\*, akiva ... gd-4-iodo-pymta (3) used to prepare the samples for the epr experiments. **new technique***  
***for in-cell distance determination** - rulers labelled with gd(iii)-pymta and microjointed into xenopus laevis*  
*(african clawed frog) oocytes. in other words, the researchers used a model system where the precise distance*  
*between the spin labels was already known, allowing them to verify the ridme measurements. the resulting*  
*paper entitled "gd(iii)-gd(iii) **arxiv:1610.06252v1 [physics-ph] 20 oct 2016** - mining gd-gd distances at*  
*very high frequencies (240 ghz). we rely on a series of compounds of the type gd-pymta—spacer—gd-pymta*  
*(fig. 1) which we call gd-rulers, to test the validity of this approach. the rod-like spacer keeps the two gd-based*  
*spin labels, gd-pymta, and hence the two gd<sup>3+</sup> ions at a well-defined distance. **session iii invited speaker -***  
***spp1601** - 11:00 session iii 11:00 invited speaker chris kay 12:00 lunch 12:00 lunch 12:00 lunch 13:00 session*  
*iv 13:00 career development workshop departure 14:00 invited speaker edgar groenen 15:00 registration at*  
*university 14:45 coffee break ... gd-pymta is suitable for in-cell epr author: andreas **originally published in:***  
***research collection rights ...** - the reducing cell environment as proven for gd(iii). [22, 23] most metal*  
*centres exhibit broad epr spectra, which in com-20 bination with the limited bandwidths of epr microwave*  
*pulses give rise to low modulation depths in deer experiments, thus decreasing the sensitivity. the two main*  
*approaches solving*

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