

**<sup>166</sup>Ho****<sup>166</sup>Ho holmium chloride radioactive precursor  
for labelling SYNOPHYT kit**

<i>Product code:</i>	<b>HO-RA-27</b>
<i>Marketing Authorisation Number:</i>	<b>OGYI-T-20759/01</b>
<i>Description:</i>	Clear, colourless, sterile and bacterial endotoxin-free solution of <sup>166</sup> Ho-holmium chloride
<i>Activity:</i>	600 MBq
<i>Specific activity:</i>	120 MBq/mg (5 mg/ml holmium)
<i>Radioactive concentration:</i>	600 MBq/ml
<i>Radionuclidic impurities:</i>	< 0.5 %
<i>Radiochemical purity:</i>	> 95 %
<i>pH:</i>	2 - 5
<i>Ratio of activity bounded to particles smaller than 0.2 µm:</i>	≤ 5%
<i>Expiry time:</i>	5 days from manufacture
<i>Other information:</i>	<sup>166</sup> Ho holmium chloride precursor must not be administered directly to the patients. It is for labelling of SYNOPHYT kit. Only [ <sup>166</sup> Ho]holmium phytate suspension injection can be administered.
<i>Indication:</i>	<b>INDICATION FIELD OF [<sup>166</sup>HO]HOLMIUM PHYTATE SUSPENSION INJECTION: RADIONUCLIDE THERAPY</b> Radiosynovectomy, radionuclide therapy of joint synovitis
<i>Storage:</i>	Store at room temperature in its own container, in accordance with the regulations on radioactive materials.
<i>Packaging:</i>	Supplied in 6 ml injection vial closed with rubber stopper and tear-off aluminium cap. The labelled vial is placed in a lead container, which contains a paper insert (KT 1-2). The lead container is packed in a labelled tear-off metal can, which contains plastic insert (Type A packaging).

**<sup>166</sup>HO ISOTOPE DECAY FACTORS**

min	0	20	40	60	80	100	120	140	160	180	200	220	240
hour	0,0	0,3	0,7	1,0	1,3	1,7	2,0	2,3	2,7	3,0	3,3	3,7	4,0
0	1,0000	0,9914	0,9829	0,9745	0,9661	0,9579	0,9496	0,9415	0,9334	0,9254	0,9175	0,9096	0,9018
4	0,9018	0,8941	0,8864	0,8788	0,8713	0,8638	0,8564	0,8491	0,8418	0,8346	0,8274	0,8203	0,8133
8	0,8133	0,8063	0,7994	0,7925	0,7857	0,7790	0,7723	0,7657	0,7591	0,7526	0,7462	0,7398	0,7334
12	0,7334	0,7271	0,7209	0,7147	0,7086	0,7025	0,6965	0,6905	0,6846	0,6787	0,6729	0,6671	0,6614
16	0,6614	0,6558	0,6501	0,6446	0,6390	0,6336	0,6281	0,6227	0,6174	0,6121	0,6069	0,6016	0,5965
20	0,5965	0,5914	0,5863	0,5813	0,5763	0,5713	0,5665	0,5616	0,5568	0,5520	0,5473	0,5426	0,5379
24	0,5379	0,5333	0,5287	0,5242	0,5197	0,5153	0,5108	0,5065	0,5021	0,4978	0,4935	0,4893	0,4851
28	0,4851	0,4810	0,4768	0,4727	0,4687	0,4647	0,4607	0,4567	0,4528	0,4489	0,4451	0,4413	0,4375
32	0,4375	0,4337	0,4300	0,4263	0,4227	0,4190	0,4155	0,4119	0,4084	0,4049	0,4014	0,3979	0,3945
36	0,3945	0,3912	0,3878	0,3845	0,3812	0,3779	0,3747	0,3715	0,3683	0,3651	0,3620	0,3589	0,3558
40	0,3558	0,3527	0,3497	0,3467	0,3438	0,3408	0,3379	0,3350	0,3321	0,3293	0,3264	0,3236	0,3209
44	0,3209	0,3181	0,3154	0,3127	0,3100	0,3073	0,3047	0,3021	0,2995	0,2969	0,2944	0,2919	0,2894
48	0,2894	0,2869	0,2844	0,2820	0,2796	0,2772	0,2748	0,2724	0,2701	0,2678	0,2655	0,2632	0,2610
52	0,2610	0,2587	0,2565	0,2543	0,2521	0,2500	0,2478	0,2457	0,2436	0,2415	0,2394	0,2374	0,2353
56	0,2353	0,2333	0,2313	0,2293	0,2274	0,2254	0,2235	0,2216	0,2197	0,2178	0,2159	0,2141	0,2122
60	0,2122	0,2104	0,2086	0,2068	0,2050	0,2033	0,2015	0,1998	0,1981	0,1964	0,1947	0,1930	0,1914