

# 7H-Benzimidazo[2,1-a]benz[de]isoquinolin-7-one

<b>Other names:</b>	Luminofor yellow-green 490RT Luminogren Luminophor 2 Luminor 2 Luminor yellow green 490RT Naphthoylenebenzimidazole Yellow-green 490RT 1,2-(1,8-Naphthoylene)benzimidazole 1,2-Naphthoylenebenzimidazole 1,8-Naphthoylene-1',2'-benzimidazole Benzimidazole, 1,2-(1',8'-naphthoylene)- Luminogen Luminor 490rt Solvent Yellow 184
<b>Inchi:</b>	InChI=1S/C18H10N2O/c21-18-13-8-4-6-11-5-3-7-12(16(11)13)17-19-14-9-1-2-10-15(14)
<b>InchiKey:</b>	NZBSAAMEZYOGBA-UHFFFAOYSA-N
<b>Formula:</b>	C18H10N2O
<b>SMILES:</b>	O=c1c2cccc3cccc(c32)c2nc3cccc3n12
<b>Mol. weight [g/mol]:</b>	270.28
<b>CAS:</b>	23749-58-8

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.45		Crippen Method
logp	3.592		Crippen Method
mvol	193.010	ml/mol	McGowan Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C23749588&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C23749588&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

# Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume

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