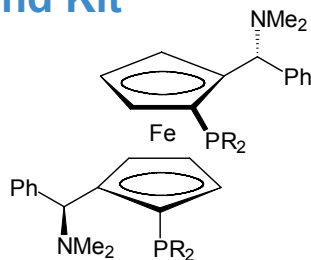


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## Solvias MandyPhos™ Ligand Kit

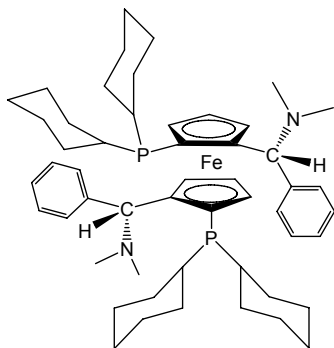
Catalog # 96-3652

1 Kit



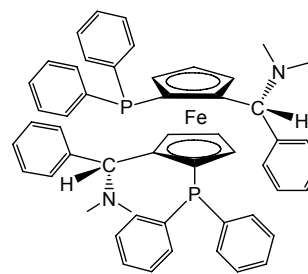
Components include:

Cat. # 26-0240



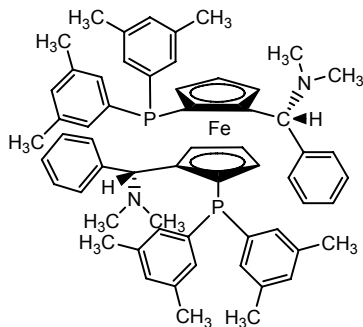
100mg

Cat. # 26-0252



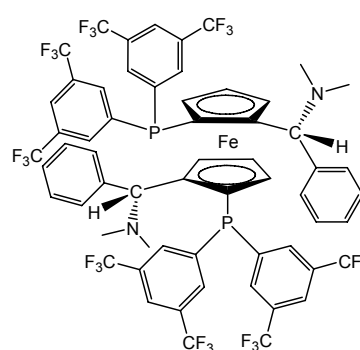
100mg

Cat. # 26-0246



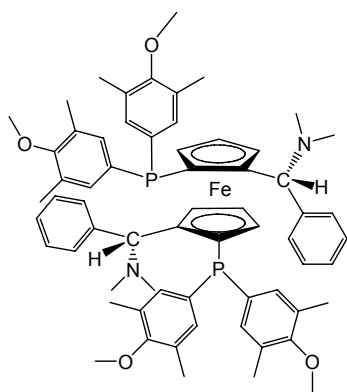
100mg

Cat. # 26-0244



100mg

Cat. # 26-0248



100mg

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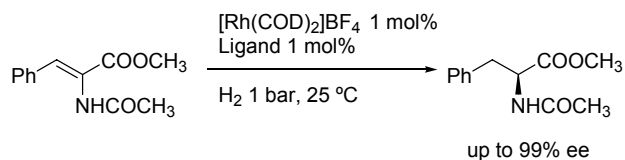
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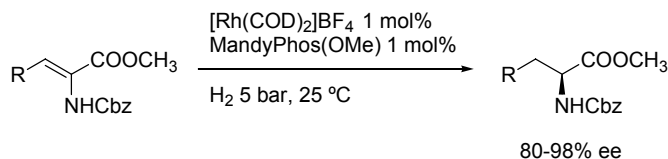
<b>26-0240</b>	<b>(S,S)-(+)-2,2'-Bis[(R)-(N,N-dimethylamino)(phenyl)methyl]-1,1'-bis(dicyclohexylphosphino)ferrocene,</b> min. 97% [494227-35-9] C <sub>52</sub> H <sub>74</sub> FeN <sub>2</sub> P <sub>2</sub> ; FW: 844.95; orange-red solid; [α] <sub>D</sub> +54.6° (c 1.0, CHCl <sub>3</sub> )	100mg 500mg 2g 10g
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## Technical Notes:

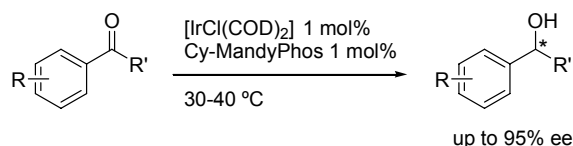
1. Ligand for Rh-catalyzed asymmetric hydrogenation of α-acetamidoacrylates.
2. Ligand for Rh-catalyzed hydrogenation of α- and β-enamides, acrylic acid derivatives, itaconates, β-ketoesters and 1,3-diketones.
3. Ligand for Rh-catalyzed asymmetric hydrogenation of furyl-substituted (Z)-dehydroamino acid derivatives.
4. Ligand for Ir-catalyzed asymmetric transfer hydrogenation of ketones.
5. Ligand for Cu-catalyzed enantioselective hydroboration of α- and β-unsaturated esters and nitriles.



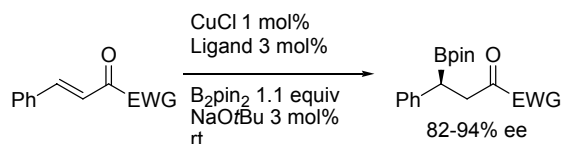
**Tech. Note (1)**  
**Ref. (2)**



**Tech. Note (3)**  
**Ref. (4)**



**Tech. Note (4)**  
**Ref. (5)**



**Tech. Note (5)**  
**Ref. (6)**

## References:

1. *Chem. Eur. J.*, **1998**, *4*, 950.
2. *Tetrahedron-Asymmetr.*, **1999**, *10*, 375.
3. *Tetrahedron-Asymmetr.*, **2004**, *15*, 2299.
4. *Chem. Eur. J.*, **2006**, *12*, 5376.
5. *Chem. Eur. J.*, **2008**, *14*, 10388.
6. *Angew. Chem. Int. Ed.*, **2008**, *47*, 145.

<b>26-0246</b>	<b>(S,S)-(-)-2,2'-Bis[(R)-(N,N-dimethylamino)(phenyl)methyl]-1,1'-bis(di(3,5-dimethylphenyl)phosphino)ferrocene, min. 97%</b> [793718-16-8] C <sub>60</sub> H <sub>66</sub> FeN <sub>2</sub> P <sub>2</sub> ; FW: 932.99; orange powder.	100mg 500mg 2g 10g
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## Technical Note:

1. See 26-0240.

<b>26-0248</b>	<b>(S,S)-(-)-2,2'-Bis[(R)-(N,N-dimethylamino)(phenyl)methyl]-1,1'-bis(di(3,5-dimethyl-4-methoxyphenyl)phosphino)ferrocene, min. 97%</b> [876608-69-4] C <sub>64</sub> H <sub>74</sub> FeN <sub>2</sub> O <sub>4</sub> P <sub>2</sub> ; FW: 1053.08; orange-red solid; [α] <sub>D</sub> -61.5° (c 1.0, CHCl <sub>3</sub> )	100mg 500mg 2g 10g
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## Technical Note:

1. See 26-0240.

<b>26-0252</b>	<b>(S,S)-(-)-2,2'-Bis[(R)-(N,N-dimethylamino)(phenyl)methyl]-1,1'-bis(diphenylphosphino)ferrocene,</b> min. 97% [174467-31-3] C <sub>52</sub> H <sub>50</sub> FeN <sub>2</sub> P <sub>2</sub> ; FW: 820.76; orange-red solid; [α] <sub>D</sub> -320.0° (c 1.0, CHCl <sub>3</sub> )	100mg 500mg 2g 10g
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## Technical Note:

1. See 26-0240.

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<b>26-0244</b>	<b>(S,S)-(-)-2,2'-Bis[(R)-(N,N-dimethylamino)(phenyl)methyl]-1,1'-bis[di(3,5-trifluoromethylphenyl)phosphino]ferrocene, min. 97%</b> [494227-36-0] C <sub>60</sub> H <sub>42</sub> F <sub>24</sub> FeN <sub>2</sub> P <sub>2</sub> ; FW: 1364.74; orange-red solid; [α] <sub>D</sub> -250.2° (c 1.0, CHCl <sub>3</sub> )	100mg 500mg 2g 10g
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Technical Note:

1. See 26-0240.

#### Also Available:

<b>26-0245</b>	<b>(R,R)-(+)-2,2'-Bis[(S)-(N,N-dimethylamino)(phenyl)methyl]-1,1'-bis(di(3,5-dimethylphenyl)phosphino)ferrocene, min. 97%</b> [847997-73-3] C <sub>60</sub> H <sub>66</sub> FeN <sub>2</sub> P <sub>2</sub> ; FW: 932.99; orange powdr.; [α] <sub>D</sub> +164°	100mg 500mg 2g 10g
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Technical Note:

1. See 26-0240.

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